ORNITHOLOGICAL GAZETTEER OF ECUADOR

SECOND EDITION

RAYMOND A. PAYNTER, JR.

1993

ORNITHOLOGICAL GAZETTEERS OF THE NEOTROPICS

Ornithological Gazetteer of Argentina, Raymond A. Paynter, Jr., 1985. *vi* + 509 pp., 2 maps.

Ornithological Gazetteer of Bolivia, *second edition*, Raymond A. Paynter, Jr., 1992. *vi* + 185 pp., 2 maps.

Ornithological Gazetteer of Brazil, Raymond A. Paynter, Jr., and Melvin A. Traylor, Jr., 1991. *viii* + 789 pp. (2 vols.), 2 maps.

Ornithological Gazetteer of Chile, Raymond A. Paynter, Jr., 1988. *v* + 331 pp., 2 maps.

Ornithological Gazetteer of Colombia, Raymond A. Paynter, Jr., and Melvin A. Traylor, Jr., 1981. *v* + 311 pp., 2 maps.

Ornithological Gazetteer of Ecuador, *second edition*, Raymond A. Paynter, Jr., 1993. *xi* + 247 pp., 2 maps.

Ornithological Gazetteer of the Guianas, Lorain Stephens and Melvin A. Traylor, Jr., 1985. *v* + 123 pp., 2 maps.

Ornithological Gazetteer of Paraguay, *second edition*, Raymond A. Paynter, Jr., 1989. *iv* + 61 pp., 2 maps.

Ornithological Gazetteer of Peru, Lorain Stephens and Melvin A. Traylor, Jr., 1983. *vi* + 273 pp., 2 maps.

Ornithological Gazetteer of Uruguay, David M. Rand and Raymond A. Paynter, Jr., 1981. *iv* + 75 pp., 2 maps.

Ornithological Gazetteer of Venezuela, Raymond A. Paynter, Jr., 1982. *iii* + 245 pp., 2 maps.

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INTRODUCTION TO SECOND EDITION

In the sixteen years since the first edition of this gazetteer (Paynter and Traylor, 1977, *Ornithological Gazetteer of Ecuador*), there has been an immense increase in ornithological research in Ecuador. During this time about 85 publications on the avifauna of continental Ecuador have appeared, whereas in the the previous 128 years there had been only 135 titles. Or, to put it differently, the yearly output of publications has increased more than five-fold.

Part of the increased research is undoubtedly because of the recent proliferation of roads allowing access to all parts of the country for the first time. Another reason for this growth certainly must be because of the political stability of the country which has created a hospitable and safe environment for foreign researchers, who still make up a large majority of the ornithologists in Ecuador.

The inventorying of the birds of Ecuador is essentially complete and their distribution has been broadly sketched. For this we may be grateful. But, unfortunately, because of the accelerating destruction of all natural habitats, from páramo to rainforest, it seems that this documentation may soon be only of historic interest, with no relevance to the contemporary situation.

This revised gazetteer differs from its precurser in several ways. First, it is more comprehensive. The first edition was based on an extensive review of the literature and a survey of all Ecuadorian specimens in the Museum of Comparative Zoology and Field Museum of Natural History, plus a scattering of information from a few Ecuadorian specimens in other institutions. Now, thanks to the creation of computerized databases, this coverage has been widened to include all the Ecuadorian material in the Carnegie Museum, the Western Foundation of Vertebrate Zoology, and the Natural History Museum of Los Angeles, as well as a substantial block of the Ecuadorian holdings in the US National Museum. This additional coverage has allowed refinement of earlier data, the addition of some old collecting sites previously unknown to us, and the inclusion of information about localities visited by researchers from those institutions most active in Ecuador since the 1970s.

The scope of the bibliography has also changed. In the earlier gazetteer there was a complete bibliography of publications concerned with mainland Ecuador, supplemented with papers that had been used in the text because they contained fragments of information on the distribution of Ecuadorian birds, although their main focus was elsewhere. In the present gazetteer the bibliography is restricted to the 220 or so titles dealing exclusively with Ecuadorian birds. When a gazetteer entry is augmented by data from other sources, documentation is given in full within the text, thus freeing the bibliography from considerable clutter.

As the tempo of ornithological research in Ecuador has increased, there has been a corresponding rise in the number of studies produced and a diversity in the places where they have been published. As a consequence, it has becoming increasingly difficult to locate all the literature that should be consulted. In spite of help from a number of colleagues and institutions, some publications still were not found and are annotated in the bibliography as "[Not seen.]."

Good maps, old and new, facilitate the preparation of a gazetteer. Unfortunately, for almost all of Latin America it is exceedingly difficult to obtain adequate maps. Sometimes foreigners are restricted from purchasing certain maps, but more often the maps are published in such small numbers that by the time we are aware of their existence they are no longer available. In the sixteen years since the first edition of this gazetteer we have obtained only two additional maps, one old and very useful, and one new and nearly useless.

The following abbreviations and acronyms have been used:

AMNH	American Museum of Natural History (data from specimens therein).
Atlas Geog.	Atlas Geográfico del Ecuador. Arreglado Según la carta del Dr. Teodoro Wolf Felicísmo López (scale?), 1907, American Bank Note Co.
ANSP	Academy of Natural Sciences, Philadelphia (data from specimens therein).

CM	Carnegie Museum of Natural History (data from specimens therein).
FMNH	Field Museum of Natural History (data from specimens therein).
Hoja CT Ñ-	Map prepared by Instituto Geográfico Militar (1:50,000), 1963 (reference to one of 7 sheets for vicinity of Quito).
LACMNH	Natural History Museum of Los Angeles; formerly part of Los Angeles County Museum and collections were catalogued as "LACM" (data from specimens therein).
Mapa, 1950	Mapa del Ecuador (1:1,000,000), Instituto Geográfico Militar, et al., 1950.
Mapa, 1957	Mapa Geográfico de la Republica del Ecuador (1:500,000), Instituto Geográfico Militar, 1957.
Mapa, 1974	Ecuador (1:1,000,000), Instituto Geográfico Militar, 1974.
Mapa, 1990	Mapa Vial-Turísto del Ecuador (1:4,000,000), Instituto Geográfico Militar, 1990.
MCZ	Museum of Comparative Zoology (data from specimens therein).
MHA	Map of Hispanic America ("Millionth Map"), 1927-1942, American Geographical Society, New York (reference to one of the 5 sheets covering Ecuador.

Moore Coll.	Moore Collection, Occidental College (data from specimens therein).
USBGN	United States Board on Geographic Names, Department of Interior, Washington, DC (refers to Gazetteer No. 36, Ecuador, 1957, and Gazetteer Supplement, 1971).
USNM	United States National Museum (data from specimens therein).
WFVZ	Western Foundation of Vertebrate Zoology (data from specimens therein).

For assistance in obtaining copies of publications not available locally and for providing me with information from their collections, I am deeply indebted to: W. T. Atyeo, N. J. Collar, W. E. Davis, Jr., T. de Vries, P. M. Edwards, J. Fjeldså, K. L. Garrett, F. E. Hayes, C. Hinklemann, J. A. Jackson, J. P. Jenny, L. F. Kiff, J. R. King, C. Ludwig, S. L. Olson, F. I. Ortiz-Crespo, M. Marin A., R. K. Panza, K. C. Parkes, M. Robbins, D. A. Tallman, and D. C. Wege.

Alison Pirie continues her indispensable role, which only she and I fully appreciate, in this ongoing project.

Raymond A. Paynter, Jr.

15 March 1993

INTRODUCTION TO FIRST EDITION

This is the second in a series of ornithological gazetteers for the Neotropics. While preparing the first (*Ornithological Gazetteer of Bolivia*, Raymond A. Paynter, Jr., Melvin A. Traylor, Jr., and Blair Winter, 1975), it was easy to ferret-out collecting localities, name of collectors, and dates of their visits, for Bolivia has not been well explored ornithologically and data are sparse. The preparation of the gazetteer for Ecuador has been vastly more difficult, however, not only because of numerous expeditions there over the past 125 years, but mainly because of a small coterie of resident professional collectors (now almost gone) who have worked throughout the country. These collectors visited some localities only briefly, while at the other extreme, favored localities were visited time and again, often for extended periods. Specimens were collected by the tens of thousands and sent to museums and private collections throughout the world. These specimens frequently bear the name of a dealer, such as Rosenberg or Clarke-Macintyre, who purchased the specimens locally and then sold them abroad.

Much of the material collected by expeditions has been studied and reported on in many publications, but probably almost as many specimens, particularly those obtained by local collectors, have yet to be examined critically and recorded in print. Assembling a gazetteer from such a plethora of specimens and publications is difficult, and the task has been further complicated by the scanty data often accompanying the material. Although better documented than the famous trade skins of Colombia, which bear only the notation "Bogotá" and thus are dismissed from further consideration, Ecuadorian specimens frequently have just enough data to challenge the compiler and to persuade him that an unknown site can be located from the meagre clues. For example, Proaño, a recent collector, often records the name of a collecting site along with information such as "via Chone-Manabí." Presumably the specimen was collected at a station the province of Manabí while en route from Quito to Chone, but where along the 250-km trail is not indicated. If the site bears a relatively uncommon name, it is sometimes possible to identify it, but frequently it must be chalked up as "not located."

With the Bolivian gazetteer we were fairly successful in determining the name of the collector and the period he spent at each locality. These data are less complete for Ecuador because of the larger number of collectors and the frequency with which they visited some localities, and because the specimen wholesalers often placed their names on labels in a

manner suggesting that they were the collectors. Specimens bearing Clarke-Macintyre labels, for example, never indicate when he was not the collector; but if one attempts to construct an itinerary from the label data, it is readily apparent that Clarke-Macintyre must have obtained a large number of specimens from other collectors.

While attempting to learn the names and the dates of collectors at each locality may seem an exercise in pedantry, there are practical aspects. All collectors were not equally carefully and accurate in sexing, dating, or recording the provenance of their specimens. Knowing who collected a given specimen often aids in determining the value of the recorded data. Knowledge of where a collector was on a given date also aids in tracking down unidentifiable sites, and, furthermore, as habitats are destroyed, knowledge of collecting dates may aid in documenting the progression of change. Finally, knowing who was at a given place or who collected a particular species is a great aid when assembling bibliographies or in searching for published information, particularly when one is not a specialist in Ecuadorian ornithology.

Members of the Olalla family have been professional collectors in Ecuador for more than 50 years. Although the name of the collector recorded on their labels varies from "Olalla e hijo" and "Olalla Bros." to individual members of the family, we have made no attempt to identify the specific member of the Olalla family who collected at each locality. Instead, we have used "Olallas" to indicate the presence of more than one Olalla at a place at a given time and "Olalla" to cover any single member of the clan.

Mention must be made of some of the difficulties encountered with publications. Chubb's paper (1919) offers an amazing array of misspellings. Some localities which cannot be identified are presumably not obscure places but merely spelled so badly they are not recognizable. The substantial paper by Lönnberg & Rendahl (1922), based on a large collection of birds purchased over many years by Söderstrom, also offers problems. Frequently it is impossible to determine the location of a collecting site because the information presented is ambiguous. For example, one finds (p. 55) *two* specimens of a species from "Iaquache, Naranjito, Babahoyo." The location of Iaquache is unknown, but we do know the coordinates for both Naranjito and Babahoyo. Because only two specimens are listed, one is tempted to assume the authors mean Iaquache to be associated with Naranjito. However, on p. 54 the authors already have listed *one* specimen from "Babahoyo, Iaguache" [note the different spelling]! The variation in spellings through Lönnberg & Rendahl's study

approaches chaos. The dates of collection and altitudes are equally unsatisfactory and cannot be used.

For additional comments on the reliability of collectors and collections, see Chapman's classic study (1926a:7-14, 723-735, in particular).

These gazetteers are intended to facilitate the location of continental sites, but for convenience we have included the Galápagos. Only the islands and their geographical coordinates are given, however, and not settlements, collectors, dates, etc.

The bibliography accompanying the Bolivian gazetteer listed only publications cited in the text, although there were so many of these that the references amounted to "virtually a complete bibliography of Bolivian ornithology" (p. *iv*). Some users overlooked our use of the modifier "virtually" and were quick to point out that we had omitted publications. We have assembled in this volume, therefore, what we believe is a complete list of all publications concerned primarily with Ecuadorian birds (exclusive of the Galápagos), not merely those that have been cited in the gazetteer.

Another innovation is the inclusion of a map showing all collecting sites (plus a few places where observations have been made) on mainland Ecuador. This should help the zoogeographer to decide whether a gap in a distribution may be of biological significance or whether it may merely reflect the absence of collectors.

Except for these minor changes and additions, we follow the style developed for the Bolivian gazetteer.

AMNH:	American Museum of Natural History (data from specimens therein)
ANSP:	Academy of Natural Sciences, Philadelphia (data from specimens therein)
FMNH:	Field Museum of Natural History (data from specimens therein)

HOJA CT ÑII-:	Map prepared by Instituto Geográfico Militar (1:50,000), 1963 (reference to one of 7 sheets for vicinity of Quito)
MCZ:	Museum of Comparative Zoology (data from specimens therein)
Mapa, 1950:	Mapa del Ecuador (1:1,000,000), Instituto Geográfico Militar, et al., 1950
Mapa, 1957:	Mapa Geográfico de la Republica del Ecuador (1:500,000), Instituto Geográfico Militar, 1957
Mapa, 1974:	Ecuador (1:1,000,000), Instituto Geográfico Militar
MHA:	Map of Hispanic America ("Millionth Map"), 1927-1942, American Geographical Society, New York (reference to one of the 5 sheets covering Ecuador
Moore Coll.:	Moore Collection, Occidental College (data from specimens therein)
USBGN:	United States Board on Geographic Names, Dept. of the Interior, Washington, D.C. (refers to Gazetteer No. 36, Ecuador, 1957)
USNM:	United States National Museum (data from specimens therein).

We are indebted to students and colleagues who over a number of years have added information to our files. We hope these collaborators will find satisfaction in seeing their contributions well used. To Richard E. Webster we owe particular thanks for reading the entire manuscript and adding many localities to what we had thought was an almost complete

gazetteer. And to Alison Pirie we are grateful for the care she has taken in making a manuscript from our less than orderly card files, and for preparing the map depicting collecting sites.

Raymond A. Paynter, Jr.

Melvin A. Traylor, Jr.

28 March 1977

ABINGDON ISLAND; Galápagos 0035N/9044 (USBGN)
Also = Isla Pinta.

ABITAGUA (FMNH); see Abitagua, Cerros de.

ABITAGUA, CERROS DE; Pastaza 0123S/7805 (USBGN)
ca. 2,500 m, range of mountains N of the upper Río Pastaza [0455S/7624 (USBGN)], NW of Puyo [0128S/7759 (USBGN)] (Mapa, 1950, as "Abitagua"); Olallas, at 1,200 m, Aug. 1939 (FMNH, as "Abitagua").

ACHOTA, MONTES (FMNH); see Achotal.

ACHOTAL; Imbabura ca. 0050N/7825
Alt.?; in Montes Achota [not located], 15 km below Paramba [0049N/7821 (USBGN)] on road [railroad?] to [province of?] Esmeraldas, on NE side of Río Lita [0054N/7827 (USBGN)] (Olalla, in litt. to Conover, FMNH); description places this very near Esmeraldas/Imbabura border; Olalla, Aug. 1925, Olallas, Aug. 1935 (FMNH); Hellmayr & Conover, 1949, Field Mus. Nat. Hist. Publ., Zool. Ser., **13**, pt. 1, no. 4, p. 129, as "Montes de Achotal."

ACHOTAL, MONTES DE (Hellmayr & Conover, 1949:129); see Achotal.

ACQUATOR; Loja Not located
Alt.?; collector?, date? (USNM); probably a misspelling.

AFLIANA; Pichincha Not located
Alt.?; near Nanegal [0007N/7846 (USBGN)] on western slope, Rivet, between ca. 1899-1906 (Menegaux, 1911:83, as "Afilana, Nanegal").

AGUARICO, RÍO; Napo 0059S/7511 (USBGN)
Major left-bank tributary of Río Napo [0320S/7240 (USBGN)], rising through the confluence of several rivers in north-central Napo, with its lower portion forming part of the boundary between Peru and Ecuador (Mapa, 1950); collector?, at Santa Cecilia [0003N/7658 (USBGN)], date? (Olson, 1973, Proc. Biol. Soc. Washington, **34**:409); Ridgely, on lower Río Aguarico, up to Zancudococha [Zancudo, ca. 0035S/7530 (Mapa, 1974)], 19-26 Sept. 1976 and Greenfield, on upper part of river, dates? (Leck, 1980:313, as "Rio Aquarico"; Ridgely, 1980:243, 245).

ALAMOR; Loja 0402S/8002 (USBGN)
4,550 ft. [1,325 m], on ridge between Río Túmbez [0330S/8027 (USBGN)] and Río Alamor [0430S/8025 (USBGN)], subtropical forest to W and N, humid tropics below, Watkins, 7-14 July 1919, Cherrie, 30 Sept.-5 Oct. 1920, Cherrie and Gill, 14-31 Aug., 1, 4-20 Sept. 1921 (Chapman, 1926a:19-20, 703; CM); Paynter and Norton, 13, 15 Oct. 1965 (MCZ).

ALAO; Chimborazo 0154S/7829 (USBGN)
3,173 m, on eastern slope ca. 27 km SSE of Riobamba [0140S/7838 (USBGN)] (Mapa, 1957); Mena, 3-4 July 1931 (CM); Lévêque, at 3,800 m, 24 Apr. 1960 (Lévêque, 1964:59, 61).

ALASPUNGO; Pichincha 0000/7836 (USBGN)
Alt.?; NW of Quito [0013S/7830 (USBGN)], near Calacalí [0001N/7831 (USBGN)]; does not appear on our maps; Rivet, between ca. 1899-1906 (Menegaux, 1911:5); Olallas, Aug. 1926, 20 May 1928, Feb., June, Nov. 1929, also in "Montes de Alaspungo," Oct. 1935 (FMNH; Moore Coll.; WFVZ); Austin, 23 Apr. 1927, Mena, 2 June 1929, Olallas, 26 Apr.1927, 4 June 1929 (CM); Olalla, 4-6 June 1964, 20 Oct. 1967 (MCZ, as "Cordillera Alaspungo").

ALASPUNGO, CORDILLERA (MCZ); see Alaspungo.

ALASPUNGO, MONTES DE (FMNH); see Alaspungo.

ALAUSÍ; Chimborazo 0212S/7850 (USBGN)
2,386 m, a major town on railway and highway on western slope (Mapa, 1957); unwooded, on bank of Río Alausí [0214/7854 (USBGN)], Stolzmann and Siemiradski, Apr.-May 1883 (Berlepsch & Taczanowski, 1884:282-283, 294, 303, 307).

ALBANIA, ISLA (Mapa, 1957); see Albany, Isla.

ALBANY, ISLA; Galápagos 0010S/9050 (USBGN)
Mapa, 1957, as "Isla Albania."

ALBEMARLE ISLAND; Galápagos 0030S/9106 (USBGN)
Also = Isla Isabela.

ALCHIPICHÍ, VALLE (FMNH); see Hacienda Alchipichí.

ALFARO; Guayas 0212S/7950 (USBGN)
0-50 m, on Río Guayas [0210S/7950 (USBGN)], semi-arid tropical zone, like Guayaquil [0210S/7950 (USBGN)] which is opposite Alfaro, marsh along river, forested hills behind town (Brown, 1941, Ann. Entom. Soc. Amer., **34**:826, as "Eloy Alfaro"); Richardson, 2-12 Aug. 1913, Chapman and Cherrie, 21 May 1916, Cherrie, 3-6 July 1920 (Chapman, 1926a:19-20); Lévêque, 18 Sept. 1960, between Alfaro and Yaguachi [0207S/7941 (USBGN)], 21 Aug., 2 Oct. 1960, 22 Jan. 1961 (Lévêque, 1964:61, as "Durán"); Gardner, 3 km and 11 km SE, 6 Mar., Kiff, 14 km and 18 km SE, 6 Mar. 1989 (WFVZ, as "Durán"); Bleitz Coll., 76 km from Guayaquil, on Durán [Alfaro]/El Tambo [0230S/7854 (USBGN)] highway, 26, 29 June 1970 (WFVZ).

ALGONQUINCHE (Lönnberg & Rendahl, 1922:13); see Alunguncho.

ALLPACHACO (Menegaux, 1908:98); see Alpachaca.

ALLPACHA SILVÁN (MHA); see Alpachaca, Cordillera de.

ALLURIQUÍN; Pichincha 0019S/7859 (USBGN)
ca. 900 m (Mapa, 1974); on western slope at mouth of Río Alluriquín [0019S/7859 (USBGN)], a tributary of Río Toachi [0008N/7918 (USBGN)] and near Santo Domingo de los Colorados [0015S/7909 (USBGN)]; Rivet, between ca. 1899-1906 (Menegaux, 1911:73, as "Ayuriquin"); Corado, 1 km W, 13 Mar. 1991, 10 km NW, 17 Feb. 1989 (WFVZ, also as "Aluriquin").

ALMENDRAL (MCZ); see Hacienda Almendral.

ALOA Not located
Alt.?; "Oriente," collector?, 5 Nov. 1963 (MCZ); possibly Alóag [0028S/7835 (USBGN)] or Alao [0154S/7829 (USBGN)] was intended.

ALÓAG; Pichincha 0028S/7835 (USBGN)
2,886 m (Brown, 1941, Ann. Entom. Soc. Amer., **34**:816); 7,800 ft [2.375 m] (Oberholser. 1902:309); 2,922 m (Simon, 1907:17); on the road and railway, ca. 35 km S of Quito [0013S/7830 (USBGN)] (Mapa, 1974); arid inter-Andean valley (Brown, *loc. cit.*); Festa, Aug. 1897? (Salvadori & Festa, 1900:43; Chapman, 1926a:723-733); Goodfellow and Hamilton, Jan.? 1899 (Goodfellow, 1901:309;

Chapman, 1926a:703); Rivet, between ca. 1899-1906 (Menegaux, 1911:45).

ALONGUINCHE (Chapman, 1926a:703); see Alunguncho.

ALPACHACA; Chimborazo ca. 0210S/7855 (Chapman, 1926a:map) 10,000-10,500 ft [3,050-3,200 m], forest ends and meets the puna [páramo], snows often, Stolzmann and Siemiradski, Apr., May 1883 (Berlepsch & Taczanowski, 1884:282, 303); Menegaux, 1908:98, as Allpachaco."

ALPACHACA, CORDILLERA DE; Azuay 0321S/7908 (USBGN) ca. 3,000 m, range of low mountains between Girón [0321S/7908 (USBGN)] and Saraguro [0336S/7913 (USBGN)] (MHA, as "Allpacha Silván"; Mapa, 1950, as "Alpachaca Silván"; Mapa, 1957, as "Alpachaca Silván"); Olalla, date? (Orces, 1944:117, as "Cerro Silván").

ALPACHACA SILVÁN (Mapa, 1950); see Alpachaca, Cordillera de.

ALPA-YACU (Hellmayr, 1935:296); see Alpayacu, Río.

ALPAYACU, RÍO; Pastaza 0128S/7807 (USBGN) Short tributary of Río Pastaza [0455S/7624 (USBGN)], rising in Cerros de Abitagua [0123S/7805 (USBGN)], N of Mera [0128S/7808 (USBGN)], and entering the left bank of the Pastaza at Mera (Mapa, 1950); collector?, date? (Hellmayr, 1935, Field Mus. Nat. Hist Publ., Zool. Ser., **13**, pt. 8, p.296, as "Alpa-yacu.").

ALTAR, CERRO; Chimborazo/Morona-Santiago 0141S/7824 (USBGN) 5,319 m, snow-capped mountain, 28 km E of Riobamba [0140S/7838 (USBGN)], on Chimborazo/Morona-Santiago border (Mapa, 1974); Fraser, at Hacienda Titaicún [0144S/7834 (USBGN)] on slopes, 1858 (Sclater, 1859c:549, as "Titaicun, El Altar"); Rivet, at ca. 4,000 m, ca. 1898-1899 (Simon, 1907:17).

ALTO TAMBO; Esmeraldas 0056N/7832 (USBGN) ca. 300-500 m, on eastern edge of coastal plain, on Río Mira [0136N/7901 (USBGN)], extreme northeastern Esmeraldas (Mapa, 1957); Olalla, 4 Apr. 1962 (MCZ); van den Berg and Bosman, 29-31 Dec. 1980 (van den Berg & Bosman, 1984:152, 153); Ross, et al., Aug. 1986 (Evans, 1988:21); ANSP party, nearby at 275 m, Apr., July 1990, Krabbe, 11-22 Feb. 1992 (Robbins & Ridgely, 1992).

ALUGUINCHO (Berlioz, 1927:356); see Alunguncho.

ALUNGINCHO, MONTES DE (de Schauensee, 1951:3); see Alunguncho.

ALUNGUNCHO; Pichincha ca. 0006N/7822 (Hoja CT ÑII-F3)
ca. 2,720 m (Hoja CT ÑII-F3); S slopes of Mojanda [0008N/7817 (USBGN)], at junction of subtropical and temperate zones (Chapman, 1926a:703, as "Alonguinche"); Söderström Coll., dates? (Lönnberg & Rendahl, 1922:13, 70, as "Algonquiche" and "Alongquinche"); Clavery Coll., date? (Berlioz, 1927:356, as "Aluguincho"); Olallas, Apr., July 1934 (FMNH); de Schauensee. 1951:3, as "Montes de Alungincho".

ALURIQUIN (WFVZ); see Alluriquín.

AMAGUAÑA; Pichincha 0022S/7830 (USBGN)
ca. 2,500 m, on tableland, 12 km S of Quito [0013S/7830 (USBGN)] (MHA; Mapa, 1974); Söderström Coll., nearby on Río San Pedro [0006S/7823 (USBGN)], at 8,000 ft [2,450 m], 18 Oct. year? (Lönnberg & Rendahl, 1922:28, as "Amaguña").

AMAGUÑA (Lönnberg & Rendahl, 1922:28); see Amaguaña.

AMBATI (Lönnberg & Rendahl, 1922:78); see Ambato.

AMBATO; Tungurahua 0115S/7837 (USBGN)
8,540 ft [2,600 m], in warm valley of inter-Andean tableland (Chapman, 1926a:703); arid temperate zone (Brown, 1941, Ann. Entom. Soc. Amer., 24:816); has been used in a regional sense (*fide* Chapman, 1926a:703); Vascomez, date? [ca. 1888?] (Allen, 1889, Bull. Amer. Mus. Nat. Hist., 2:138); Festa, 30 Nov. - 1 Dec. 1896, 16-17 Aug. 1897 (Chapman, 1926a:731-732); Söderström Coll., date? (Lönnberg & Rendahl, 1922:78, as "Ambati"); Loch, ca. 1935-1937 (FMNH); US Fish & Wildlife, 7 Jan. 1969 (LACMNH).

AMBATO, RÍO; Tungurahua 0114S/7833 (USBGN)
Upper tributary of Río Pastaza [0455S/7624 (USBGN)], rising SW of Ambato [0115S/7837 (USBGN)] and entering the Pastaza a short distance NE of Ambato (MHA); Loch, ca. Jan. 1937 (FMNH).

AMBOASI; Pichincha Not located
Alt.?; near Nanegal [0007N/7846 (USBGN)] on western slope, Rivet, between ca. 1899-1906 (Menegaux, 1911:5, as "Amboasi, Nanegal").

AMBOCAS; El Oro ? Not located
Alt.?; Baron, between Ambocas and Loja [0400S/7913 (USBGN)], May-Aug. 1892? (Hartert & Hartert, 1894:52); probably near Río Ambocas [0348S/7938 (USBGN)], Loja.

AMORTAJADA (Murphy, 1936:29); see Santa Clara, Isla.

ANAGUMBA (Lönnberg & Rendahl, 1922:62); see Hacienda Anagumba.

ANA MARÍA; Guayas (Cory & Hellmayr, 1925:329); see Ana María; Los Ríos.

ANA MARÍA; Los Ríos. 0059S/7925 (USBGN)
ca. 100 m, ca. 7 km NE of Quevedo [0102S/7929 (USBGN)], extreme northeastern Los Ríos (Mapa, 1957); Von Buchwald, 2, 13, 20, 25 Mar., 11, 26 May, 11 Aug. 1913 (FMNH, sometimes as "Ave María"; CM; Cory, 1919, Field Mus Nat. Hist. Publ., Zool. Ser., **13**, pt. 2, no. 1, p. 354, as "Avia María," p. 401, as "Ava María"; Cory & Hellmayr, 1925, Field Mus. Nat. Hist. Publ., Zool. Ser., **13**, pt. 5, p. 329, as "Ana María, Guayas"); also see Hacienda Ana María.

ANCA Not located
Alt.?; northwestern slope, as indicated by presence of *Heliodoxa imperatrix* (Zimmer, 1951, Amer. Mus. Novit., no. 1513, p. 15); doubtless = Auca [not located], near Nanegal [0007N/7846 (USBGN)], Pichincha, as Chapman (1926a:541) misquoted Menegaux's "Auca" (1911:62) as "Anca;" correct spelling unknown.

ANCÓN; Guayas 0220S/8052 (USBGN)
Sea level, on SW side of Península de Santa Elena [0215S/8050 (USBGN)], ca. 15 km SE of Salinas [0213S/8058 (USBGN)] (MHA); two well-defined seasons, rainfall varies greatly, continuous thickets of arborescent bushes, small trees, and tree cactus in valleys, more sparse on valley sides and watersheds, Marchant, within 10 km of Ancón, ca. Dec. 1954-May 1958 (Marchant, 1959:137-139); Harris, 1 Nov. 1965 (Mills, 1967:534-535); Edmund, at fossil beds between Ancón and Atahualpa [0219S/8047 (USBGN)], 1958, Edmund and Linder, same locality, 1961 (Edmund, 1965:3).

ANCONCITO; Guayas 0220S/8053 (USBGN)
Seal level, on southern coast of Península de Santa Elena [0215S/8050 (USBGN)], 12 km S of city of Santa Elena [0214S/8051 (USBGN)] (Mapa, 1974); Fuentes, on beaches, 9 Sept. 1965 (Fuentes,

1966?:10); Ridgely and Wilcove, ca. 10 km WNW, 13 July 1978 (Ridgely & Wilcove, 1979).

ANDOA (Sclater & Shelley,.1891:141); see Andoas.

ANDOAS Uncertain

At ca. 200 m (MHA), where Río Bobonaza [0236S/7638 (USBGN)] meets the Río Pastaza [0455S/7624 (USBGN)] at the Ecuador/Peru boundary, there is an Andoas whose coordinates are given by the USBGN gazetteer for Ecuador as 0234S/7638; on Mapa, 1950 this is shown as "Andoas Nuevo," but it is not indicated at all on Mapas 1957 and 1974. The USBGN gazetteer for Peru (1955) gives the coordinates for a *Peruvian* Andoas as 0250S/7630; this is the locality called Santo Tomás de Andoas on Mapas 1950, 1957, and 1974, but it does not appear as such in the USBGN. The MHA shows an Andoas at ca. 0215S/7650 and in the district of Andoa [Andoas ?], an area disputed by Peru and Ecuador. The MHA, an early map, is doubtless in error as to its placement of Andoas, but it does seem that there are in fact two localities on the Río Pastaza bearing the name Andoas, viz., one in Ecuador at 0234S/7648 and one ca. 45 km downstream in Peru at 0250S/7630. At which Andoas the following collectors worked is unknown, but the two localities should not differ biologically from one another: Buckley, probably between ca. 1876-1880 (Sclater & Salvin, 1880:155; Sclater & Shelley, 1891:141, as "Andoa"); Mission Flornoy, 15 Oct. 1936 (Berlioz, 1937c:355); Loch, ca. 1935-1937, Olalla, May 1937, Gómez, June 1940, Olalla, Oct. 1942 (FMNH); Hellmayr & Conover, 1949, Field Mus. Nat. Hist. Publ., Zool. Ser., **13**, pt. 1, no. 4, p. 41, as "Pastaza Andeas."

ANDOAS NUEVO (Mapa, 1950); see Andoas.

ANDRAS Not located

500 m, in "Oriente," on Río Pastaza [0455S/7624 (USBGN)], Olalla, Oct. 1938 (FMNH); probably Andoas was intended.

ÁNGEL (CM); see Ángel, Páramos del.

ÁNGEL, PÁRAMOS DEL; Carchi 0043N/7758 (USBGN)

4,151 m, extensive páramo in western Andes in central northern Carchi, SW of Tulcán [0048N/7743 (USBGN)] (MHA); Henn, 13 Dec. 1913 (CM, as "Ángel"); Greenfield, where?, Jan. 1982, Krabbe, at 0039N/7734 and 3,350 m, 14 Nov., at 0043N/7737 and 3,400 m, 16 Nov., and at three localities from 3,400-3,950 m, 16, 18 Nov.,

and at location?, Dec. 1990 (Krabbe, 1992b:169, 170, 171, 173, as "Páramo El Angel").

ANGUCHACA (Berlioz, 1937b:117); see Anguchaca, Río.

ANGUCHACA, RÍO; Morona-Santiago ca. 0209S/7813 (Mapa, 1974)
A headwater of Río Upano [0245S/7812 (USBGN)] in the mountains ca. 22 km NW of Macas [0219S/7807 (USBGN)] (Mapa, 1974); collector?, Oct. 1933 (Berlioz, 1937b:117, as "Anguchaca").

ANITO Not located
Alt.?; Olalla, N of Anito, Apr. 1943 (FMNH).

ANOSÚS Not located
Alt.?; collector?, "Oriente," date? (Hellmayr & Conover, 1949, Field Mus. Nat. Hist. Publ., Zool. Ser., **13**, pt. 1, no. 4, p. 210); source of *Spizaetus tyrannus* , a tropical lowland form.

ANTEOJOS, LAGUNA DE LOS; Cotopaxi 0104S/7825 (USBGN)
3,000 m, on east side of Central Valley, ca. 35 km E of San Miguel de Salcedo [0102S/7834 (USBGN)], Norton, 6 Sept. 1964 (MCZ); does not appear on maps available to us.

ANTISANA; Napo 0030S/7808 (USBGN)
5,704 m, snow-capped mountain with summit in Napo, NW slope in Pichincha (MHA); Söderström Coll., date? (Allen, 1889:75; Lönnberg & Rendahl, 1922:20); Rivet, at ca. 4,000 m, ca. 1898-1899 (Simon, 1907:17); Goodfellow, at 12,000-15,000 ft [3,650-4,600 m] Oct.-Nov. 1914 (Chubb, 1919:47, 260, sometimes as "Antisara"); Olalla, Mar. 1929, May 1938 (FMNH); Olalla, Sept. 1930 (Berlioz, 1932a:237); Clarke-Macintyre Coll., at 4,000 m, 6 Oct. 1937, 24, 28-31 Jan., 28 Feb. 1938 (MCZ); Clarke-Macintyre, Apr. 1938, Gómez, May 1939 (FMNH); Goodfellow and Hamilton, between Antisana and Quilindaña [0047S/7818 (USBGN)], in valley of Río Valleviciosa [0050S/7806 (USBGN)], Dec. 1898 (Goodfellow, 1902:226); Barros, near mountain, at 3,800 m, 14 July 1951 (Barros, 1953:161, as "Antizana"); French and Hodges, at 13,500 ft [4,100 m] Apr. 1958 (FMNH); Curry, in páramo at 4,500 m, early July 1960 (Lévêque, 1964:57, 106); collectors did not distinguish between mountain and town/hacienda [ca. 0032S/7812 (MHA)] at ca. 4,000 m on southwestern slope.

ANTISANA, LAGO (FMNH); see Mica-Cocha.

ANTISANILLA (Chapman, 1926a:210); see Hacienda Antisanilla.

ANTISARA (Chubb, 1919:47); see Antisana.

ANTIZANA (Baros, 1953:161); see Antisana.

AQUARICO, RÍO (Leck, 1980:313); see Aguarico, Río.

ARAJUNO; Pastaza 0114S/7742 (USBGN)
537 m, town 32 km SSE of Tena [0059S/7749 (USBGN)], on upper Río Arajuno [0105S/7732 (USBGN)], a right-bank tributary of upper Río Napo [0320S/7240 (USBGN)] (Mapa, 1957; Mapa, 1974); Olalla, 10 Jan. 1965 (Norton, et al., 1972:889, 893).

ARCADIA (Lönnberg & Rendahl, 1922:21); see Hacienda Arcadia.

ARCHIDONA; Napo 0055S/7748 (USBGN)
610 m (MHA); on eastern slope, 9 km NNE of Tena [0059S/7749 (USBGN)], on Río Misahualli [0102S/7741 (USBGN)] (MHA; Mapa, 1974); humid tropics (Brown, 1941, Ann. Entom. Soc. Amer., **34**:817); source of many "Napo" skins (Chapman, 1926a:703); Goodfellow and Hamilton, Apr. 1899 (Goodfellow, 1901:309); Söderström Coll., in surrounding region from 1,000-5,000 ft [300-1,500 m], dates? (Lönnberg & Rendahl, 1922:49ff); Orton, date?, Ostin, date? (USNM); Schmitt and Kiff, 23 km NE, at 1,300 m, in wet primary forest, 17 Oct. 1987 (Kiff, et al., 1989:28); Carrión, 9 km N, 19 Oct. 1987, Schmitt, 9 km N, 18 Oct. 1988, Kiff, 10 km N, 18 Oct. 1987, Kiff, 23 km N, 17 Oct. 1987, Schmitt, 17 km NE, 18-19 Oct., Kiff, 17 km NE, 17-19 Oct. 1987, Schmitt, 21 km NE, 17 Oct. 1987, Kiff, 21 km NE, 19 Oct. 1987, Schmitt and Kiff, 23 km NE, 17 Oct. 1987, Schmitt, 27 km NE, 17-19 Oct. 1987, Barber, 4 km SE on Río Hollín [0058S/7745 (USBGN)], 18 Oct. 1988, Carrión, 4 km SE on Río Hollín, 19 Oct. 1988, Sibley, 4 km SE on Río Hollín, 20-21 Oct. 1988, Sibley and Moore, 7 km SE on Río Hollín, 18-21 Oct. 1988, Fry, 7 km SE on Río Hollín, 18-19 Oct. 1988, Carrión, 7 km SE on Río Hollín, 19 Oct. 1988, Barber, 7 km SE on Río Hollín, 19-21, 30 Oct., 4 Nov. 1988, Sibley, 10 km SE, 19, 23-31 Oct., 1-6, 8 Nov. 1988, Carrión, 10 km SE, 19, 27-28, 30 Oct. 1988, Barber, 10 km SE, 19, 23-28, 30-31 Oct., 1-6, 8, 26 Nov. 1988, Moore, 10 km SE, 19, 23-28, 31 Oct., 1-5 Nov. 1988, Sibley, 40 km SE, 26, 30 Oct. 1988, Barber, 40 km SE, 29 Oct. 1988, Carrión and Schmitt, 27 km NW, 19 Oct. 1987, Marin, 20 km NE on Narupa [not located]/Loreto [0038S/7719 (USBGN)] road, 22-23

Nov. 1991, Sibley and Carrión, at Km 19, on Narupa/Loreto road, on E side of Río Hollin, 11-20 Mar. 1991 (WFVZ; LACMNH)

ARENILLAS; El Oro 0333S/8004 (USBGN)
ca. 100 m, on coastal plain, midway between sea and mountains, ca. 32 km SSW of Machala [0316S/7958 (USBGN)] (MHA; Mapa, 1974); Gómez, Sept. 1939 (FMNH).

ARENILLAS, RESERVA MILITAR DE; El Oro ca. 0333S/8004
ca. sea level - ca. 300 m, on coastal plain in vicinity of town of Arenillas [0333S/8004 (USBGN)], military reservation of ca. 20,000 ha, mangrove, dry forest, thorn scrub, Conservation International group, 12-13 July 1991 (Parker & Carr, 1922:18, 54, 67); reservation not shown on our maps.

ARMENIA; Pichincha Not located
2,000 m, 35 km NW of Quito [0013S/7830 (USBGN)], near Nanegalito [Nanegal Chico, 0002N/7837 (USBGN)], Corado, 24 Aug. 1990 (WFVZ).

ARMENIA VIEJA; see Armenio.

ARMENIO; Napo Not located
Alt.?; Monge, 10 Dec. 1938 (LACMNH); probably a misspelling of Armenia, which is now Armenia Vieja [0032S/7702 (USBGN)] on the Río Napo [0320S/7240 (USBGN)].

ASCANCOTO (Simon, 1907:17); see Asunción.

ASCÁSUBI, LAGO DE (Norton, et al., 1972:889); see Hacienda Guachalá.

ASHITAHUAICO, QUEBRADA; see El Batán.

ASHITAHUAYCU, QUEBRADA (WFVZ); see El Batán.

ASILAN; Morona-Santiago Not located
7,700 ft [2,375 m], on Río Upano [0245S/7812 (USBGN)], collector?, date? (Chapman, 1926a:490).

ASMITAHUAYCU, QUEBRADA (WFVZ); see El Batán.

ASUNCOTO (Simon, 1907:210; see Asuncíon.

ASUNCIÓN; Bolívar 0141S/7904 (USBGN)
8,125 ft [1,475 m], on Pacific slope, near headwaters of Río Chimbo [0217S/7924 (USBGN)] (Chapman, 1926a:704, as "Ascancoto"); 8 km SSW of Guaranda [0316S/7900 (USBGN)] (MHA; Mapa, 1974); Rivet, between ca. 1899-1906 (Simon, 1907:17, as "Ascancoto," p. 21, as "Asuncoto").

ATACATZO (Chapman, 1926a:227); see Atacazo.

ATACAZA (Chapman, 1926a:227); see Atacazo

ATACAZO; Pichincha 0022S/7837 (USBGN)
4,410 m, mountain 30 km SW of Quito [0013S/7830 (USBGN)] (MHA; Mapa, 1974); Rivet, ca. 1898-1899 (Simon, 1907:17); Söderström Coll., date? (Lönnberg & Rendahl, 1922:36, as "Atacatzo," p. 44); Glenn, 27 July 1984 (USNM); Chapman, 1926a:227, as "Atacaza."

ATAHUALPA; Guayas 0219S/8047 (USBGN)
ca. sea level, on Península de Santa Elena [0215S/8050 (USBGN)], ca. 15 km SE of Santa Elena [0214S/8051 (USBGN)] (Mapa, 1974); McLean, 16 Dec. 1974 (USNM, as "Engabao"); Edmund, at fossil beds, between Atahualpa and Ancón [0220S/8052 (USBGN)], 1958, Edmund and Linder, 1961 (Edmund, 1965:3); not to be confused with the Engabao [0235S/8029 (USBGN)] farther south.

ATAHUALPA; Pichincha 0008N/7823 (USBGN)
8,500 ft [2,600 m], on west slope of Mojanda [0008N/7817 (USBGN)] mountain, collector?, date? (Chapman, 1926a:704); 35 km NNW of Quito [0013S/7830 (USBGN)] (MHA; Mapa, 1974); Söderström Coll., date? (Lönnberg & Rendahl, 1922:43).

ATARAZANA (Ortiz-Crespo, in litt.); see Tarasama.

ATILLO (Reiss & Finsch, 1905:302); see Atilo.

ATILO; Chimborazo 0210S/7834 (USBGN)
3,452 m, a pass through the Andes, on old trail between Riobamba [0140S/7838 (USBGN)] and Macas [0219S/7807 (USBGN)], Reiss, date? (Reiss & Finsch, 1905:302, as "Atillo"); Mapa, 1950 and Mapa, 1957 show this as a town 30 km SE of Guamote [0156S/7834 (USBGN)], on western slope of the mountains.

ATUNTAQUI; Imbabura 0020N/7813 (USBGN)
2,407 m (Simon, 1907:17, as "Hatuntaqui"); central Imbabura, 10 km W of Ibarra [0021N/7807 (USBGN)] (MHA; Mapa, 1974); Festa, 28 Dec. 1896 (Chapman, 1926a:710, 731); Wiggins, in páramo between Piñán [0032N/7826 (USBGN)] and Atuntaqui, ca. 11,200 ft [3,400 m], June 1944 (Wiggins, 1945:167).

AUCA; Pichincha Not located
Alt.?; near Nanegal [0007N/7846 (USBGN)], Rivet, between ca. 1899-1906 (Menegaux, 1911:62, as "Auca, Nanegal"); also see Anca; correct spelling unknown.

AUCAYACU; Pastaza 0135S/7537 (USBGN)
181 m, on upper Río Curaray [0222S/7405 (USBGN)], on Ecuador/Peru boundary (Mapa, 1957; Mapa, 1974); Spillmann, 25 Nov., 11 Dec. 1930 (Stresemann, 1937b:14); Olalla, Dec. 1930, Mar. 1931 (FMNH); also see U Occo Yacu.

AVA MARÍA (Cory, 1919:401); see Ana María; Los Ríos.

AVANZADA (WFVZ); see La Avanzada.

AVE MARÍA (FMNH); see Ana María; Los Ríos.

AVIA MARÍA (Cory, 1919:354); see Ana María; Los Ríos.

AVILA; Napo 0038S/7725 (USBGN)
600 m (de Schauensee, 1951:2); in foothills of the Oriente, 25 km ESE of Volcán Sumaco [0034/7738 (USBGN)] and 25 km W of Loreto [0038S/7719 (USBGN)] (Mapa, 1974); Amazonian jungle (Brown, 1941, Ann. Entom. Soc. Amer., 34:817); Olallas, 29 Aug. 1929 (CM), 28 Aug., 2 Sept. 1932 (Stresemann, 1937b:14), Feb. (FMNH), 10 May, 11 Aug. 1935 (CM); Spillmann, 2 Sept. 1932 (USNM); Berlioz, 10 Aug. 1935 (Berlioz, 1937b:116); Monge, 10 July 1939 (LACMNH); Gómez, Jan. 1937 (USNM), Sept. 1939 (FMNH); Olalla, at 500 m, Apr. 1941 (FMNH); Olalla, 13-14 May 1968 (MCZ); Olallas, on Río Suno [0042S/7708 (USBGN)], above Avila, 1 Feb.-30 Apr. 1923 (Chapman, 1926a:21; USNM); Olalla, below Avila [on Río Suno?], 16 Mar 1924 (USNM).

AYALAN (Hesse, 1980); see Hacienda Ayalán.

AYAMPE, RÍO 0141S/8049 (USBGN)
Small river rising at northern end of Cerros de Colonche [0200S/8020 (USBGN)], flowing W to the Pacific at Ayampe [0140S/8049 (USBGN)], and forming part of the Guayas/Manabí border (Mapa, 1957); Krabbe, on border of Manabí and Guayas, at ca. 20 m, 27 Dec., and at 0140S/8045 and ca. 50 m, also 27 Dec. 1990, ANSP collectors at same location, 18 Jan. 1991 (Krabbe, 1992b:171, 173).

AYANGÜE; Guayas 0159S/8046 (USBGN)
Sea level, northern coastal Guayas, on southern side of Ensenada Valdivia [0157S/8044 (USBGN)], 5 km SW of Valdivia [0157S/8044 (USBGN)] (Mapa, 1957); Ascensión, 29 Mar. 1990 (WFVZ).

AYANGÜE, PUNTA DE; Guayas 0159S/8044 (USBGN)
Sea level, point of land on Bahía de Santa Elena [0206S/8053 (USBGN)], NE of Salinas [0213S/8058 (USBGN)] (MHA); Mills, 5 May 1966 (Mills, 1967:537).

AYURIQUIN (Menegaux, 1911:73); see Alluriquín.

AZOGUES; Cañar 0244S/7850 (USBGN)
2,599 m (Mapa, 1954); 23 km NE of Cuenca [0253S/7859 (USBGN)] (MHA); in Cuenca basin, arid temperate region, immediate area under cultivation, but páramo not far to N (Brown, 1941, Ann. Entom. Soc. Amer., **34**:817); Festa, 26 Nov. 1896 (Chapman, 1926a:731).

AZUAY, PROVINCIA DE 0300S/7900 (USBGN)
SW Ecuador; bounded by Cañar on N, Morona-Santiago and Zamora-Chinchipe on E, Loja and El Oro on S, and Guayas on W.

BABAHAYO (Lönnberg & Rendahl, 1922:62); see Babahoyo.

BABAHOYO; Los Ríos 0149S/7931 (USBGN)
15 ft [5 m], tidewater locality, humid tropical zone (Chapman, 1926a:704); on coastal plain, 60 km NE of Guayaquil [0210S/7950 (USBGN)] (MHA); dry season June-Dec., yearly rainfall 2,557 mm, mean temperature 25° (Brown, 1941, Ann. Entom. Soc. Amer., 34:817); Fraser, 10 July-Sept. 1859 (Sclater, 1860d); Festa, 21 Aug. 1897 (Chapman, 1926a:732); Söderström Coll., date?, also above "Babahayo," dates? (Lönnberg & Rendahl, 1922:18, 62); Olalla, Dec. 1934 (FMNH); Berlioz, ca. Aug.-Sept. 1936 (Berlioz, 1937a:411-412); Bleitz Coll., nearby, 27 July 1970 (WFVZ); formerly Bodegas (Sclater, 1860d:272).

BABAHOYO, RÍO; Guayas/Los Ríos 0210S/7952 (USBGN)
Rises at base of mountains SE of Babahoyo [1049S/7931 (USBGN)], flows NW to Babahoyo and then abruptly SW to join several other rivers to form Río Guayas [0236S/7952 (USBGN)] (MHA); Berlioz, where?, Sept.-Oct. 1931, ca. Aug.-Sept. 1936 (Berlioz, 1932a:228-229; 1937a:413); formerly Río Bodegas (Chapman, 1926a:704)

BABYAR MOUNTAINS (USNM); see Balzar, Cordillera de.

BAESA (Chubb, 1919:284); see Baeza.

BAEZA; Napo 0027S/7753 (USBGN)
5,000 ft [1,525 m] (Goodfellow, 1901:313); 1,900 m (Simon, 1907:17); eastern subtropical zone, on Napo trail (Chapman, 1926a:704); at confluence of Río Maspa [Río Papallacta, 0027S/7758 (USBGN)] with Río Quijos [0014S/7743 (USBGN)] (MHA; Mapa, 1974); Goodfellow and Hamilton, Mar. 1899, also below Baeza at ca. 4,500 ft [1,375 m], probably ca. May 1899 (Goodfellow, 1901:309, 311); Rivet, ca. 1898-1899 (Simon, 1907:17); collector?, 24 Aug. 1902 (CM); Goodfellow, at 6,000 ft [1,825 m], Apr. 1914 (Chubb, 1916:47, as "Braza"; 1919:284, as "Baesa"); Söderström Coll., May 1914 (FMNH); Söderström Coll., dates? (Lönnberg & Rendahl, 1922:62); d'Espinay Coll., Jan., Apr. 1922 (Berlioz, 1928b:437-438); Olallas, 10 Sept.-24 Dec. 1922, 15 Sept.-9 Oct. 1923 (Chapman, 1926a:21; USNM), 16 Mar. 1927, 25-27 June 1928 (CM), Oct. 1930 (FMNH); Olalla, 5 July 1931 (Stresemann, 1938:117); Clarke-Macintyre Coll., 13-23 Oct. 1926, 20 Sept.-29 Oct. 1937, Olalla, for Clarke-Macintyre, 24 Sept. 1937 (MCZ); Olalla, 18 Oct. 1936 (LACMNH); Olallas, Sept.-Oct. 1937 (FMNH);

Söderström, E of Baeza on road to Archidona [0055S/7748 (USBGN)], 13 Nov. 1922 (CM); Olallas, above Baeza, 9 Oct. 1923 (CM); Colwell Coll., above Baeza, date? (de Schauensee, 1951:10); Schmitt, 1 km and 2 km S, 20 Oct. 1987, Sibley, 5 km S, on Tena [0059S/7749 (USBGN)]/Baeza road, 7 Sept. 1987 (WFVZ); Berlepsch, 1912, Verh. 5th Intern. Ornith. Kongr., Berlin, 1910(1911), p. 1024, as "Baiza"; Olrog, 1967, Acta Zool. Lilloana, **22**:250, as "Baoza."

BAHIA CARAQUE (Chapman, 1919:257); see Bahía de Caráques.

BAHIA DE CARAQUES (Chapman, 19261:712); see Bahía de Caráquez.

BAHÍA DE CARÁQUEZ; Manabí 0036S/8025 (USBGN)
Sea level, port on Bahía de Caráquez [0033S/8023 (USBGN)] at mouth of Río Chone [0035S/8025 (USBGN)], central Manabí (MHA); note that town as well as bay bear the prefix "Bahía"; equatorial arid fauna, fertile but semi-arid region extends ca. 20 mi [32 km] to E or until altitude ca. 200 m and heavy forest takes over, Richardson, 23-28 Feb. 1913 (Chapman, 1919, Proc. Biol. Soc. Wash., **32**:257, as "Bahia Caraque;" 1926a:19, 704, 712, as "Bahia de Caraques"; CM); Richardson, on coast between town of Bahía de Caráques and Manta [0057S/8044 (USBGN)], 11-22 Feb. 1913 (Chapman, 1926a:19, 712, as "coast of Manaví"); Fuentes, on beach, 7 Sept. 1965 (Fuentes, 1966?:10).

BAIZA (Berlepsch, 1912:1042); see Baeza.

BAJO VERDE; Guayas Not located
500 ft [150 m], Tate, date? [Aug. 1922?] (FMNH); obviously has some connection with Cerro de Bajo Verde [not located] in Cordillera de Chongón [0206S/8009 (USBGN)], NW of Guayaquil [0210S/7950 (USBGN)]; see Bajo Verde, Cerro de.

BAJO VERDE, CERRO DE; Guayas Not located
500 ft [150 m] (FMNH); in Chongon Hills [= Cordillera de Chongón, 0206S/8009 (USBGN)], 20 mi [32 km] NW of Guayaquil [0210S/7950 (USBGN)], Chapman, 12 July 1922 (Chapman, 1925c:2); Tate, Aug. 1922 (FMNH); also see Bajo Verde.

BALENITA, PUNTA (Mills, 1967:536); see Ballenita, Punta.

BALLENITA; Guayas 0211S/8050 (USBGN)
Sea level, on coast 15 km E of Salinas [0213S/8058 (USBGN)] (Mapa, 1950); Corado, 4 km NE, 23 Feb., Carrión, Gardner, and Corado, 5 km NE, 23 Feb., Carrión, 2 km N, 23 Nov. 1989 (WFVZ).

BALLENITA, BAHÍA DE; Guayas Not located
Probably coastal waters around Ballenita [0211S/8050 (USBGN)], E of Salinas [0213S/8058 (USBGN)]; Festa, Jan. 1898 (Salvadori & Festa, 1900:43; Chapman, 1926a:732).

BALLENITA, PUNTA; Guayas Not located
Presumably E of Salinas [0213S/8058 (USBGN)], off village of Ballenita [0211S/8050 (USBGN)], between La Libertad [0214S/8057 (USBGN)] and San Pablo [0209S/8047 (USBGN)]; Mills, 5, 8 May 1966 (Mills, 1967:536, as "Punta Balenita").

BALSAPAMPA (Orces, 1944:110); see Balzapampa.

BALTRA, ISLA; Galápagos 0026S/9016 (USBGN)
Also = South Seymour Island.

BALYA Not located
Hellmayr & Conover, Field Mus. Nat. Hist. Publ., Zool. Ser., **13**, pt. 1, no. 4, p. 77; probably misspelled; presence of *Accipiter striatus* indicative of moderate to high altitude.

BALZAPAMPA; Bolívar 0147S/7913 (USBGN)
630 m (Brown, 1941, Ann. Entom. Soc. Amer., **34**:818); 1,200 m , southwestern Bolívar, 38 km ENE of Babahoyo [0149S/7931 (USBGN)] and 17 km SW of San Miguel [0144S/7901 (USBGN)] (Mapa, 1974); humid tropical forest, surrounding hills, especially to E, extend into temperate regions (Brown, 1941, loc. cit.); Clarke-Macintyre, 6 June 1938 (Orces, 1944:110, as "Balsapampa"; LACMNH).

BALZAR; Guayas 0122S/7954 (USBGN)
325 ft [100 m], on Río Daule [0210S/7952 (USBGN)] in humid tropical zone (Chapman, 1926a:704); Festa, in vicinity and N to Río Peripa [0053S/7943 (USBGN)], 9 Oct.-27 Dec. 1897 (Chapman, 1926a:732); Rivet, ca. 1898-1899 (Simon, 1907); Olalla, 18 Oct. 1963 (MCZ); Lévêque, between Balzar and Santa Lucía [0143S/7958 (USBGN)], 23 July 1961 (Lévêque, 1964:61); Greenfield, between

Balzar and Guayaquil [0210S/7950 (USBGN)], dates? (Ridgely, 1980:244).

BALZAR, CORDILLERA DE; Manabí 0055S/7955 (USBGN)
ca. 300 m, range of low hills, ca. 50 km long, in central interior Manabí, roughly paralleling the eastern boundary of the province (MHA; Mapa, 1950; Mapa, 1957, as "Cordillera de San Pablo Balazar"); Illingworth, Mar. 1880 (Sclater, 1918, Bull. Brit. Ornith. Club, **38**:45, as "Balzar mountains"; USNM, as "Babyar Mountains").

BALZAR MOUNTAINS (Sclater, 1918:45); see Balzar, Cordillera de.

BAÑOS; Tungurahua 0124S/7824 (USBGN)
1,851 m , on Río Pastaza [0455S/7624 (USBGN)], at northern foot of Volcán Tungurahua [0127S/7826 (USBGN)], 29 km SE of Ambato [0115S/7837 (USBGN)], central eastern Tungurahua (Mapa, 1957); forest extends down slopes to southern edge of town, which is in semi-arid temperate zone (Brown, 1941, Ann. Entom. Soc. Amer., **34**:818); Buckley, autumn 1870 (Gould, 1871a:803); Stolzmann, ca. Nov. 1883-Feb.1884 (Taczanowski & Berlepsch, 1885:67ff); Baron, 2 days travel E on Río Pastaza, July-Aug. 1893 (Hartert & Hartert, 1894:56, as "Río Pastassa"); Palmer, 14 Aug. 1910 (FMNH); Söderström Coll., dates? (Lönnberg & Rendahl, 1922:60); Olallas, Jan. 1932 (FMNH); Clarke-Macintyre Coll., 27 July 1927 [?] (CM), 12 June 1937-Feb., Nov. 1938 (MCZ; FMNH; WFVZ; LACMNH); Olalla, Oct. 1943 (FMNH); Bleitz, 4 July 1969, Bleitz Coll., June 1969, 3 May 1971, Bleitz Coll., nearby, date? (WFVZ); Arvey, 24-25, 27 Dec. 1971 (LACMNH); Vascomez, "probably East Andean slope below Los Baños," date? [1880s?] (Chapman, 1922, Amer. Mus. Novit., no 31, p. 4).

BAÑOS, QUEBRADA DE ?; Napo Not located
Alt.?; above and N of Papallacta [0022S/7808 (USBGN)], in canyon with steep E and W walls, N end with impassible gorge, S end with "Chorera de Papallacta" waterfall, flows into Río Papallacta [0027S/7758 (USBGN)], humid temperate zone with trees and shrubs scattered on floor, thicker along stream, Moore, at ca. 11,000 ft [3,300 m], ca. Sept.-Oct. 1929, with known date of 2 Oct. (Moore, 1934d:100-103, as "Baños Valley" and "Baños Canyon"; 1940:252, as "Baños de Palallacta"; CM).

BAÑOS CANYON (Moore, 1934d:101); see Baños, Quebrada de.

BAÑOS DE PAPALLACTA (Moore, 1940:252); see Baños, Quebrada de.

BAÑOS VALLEY (Moore, 1934d:101); see Baños, Quebrada de.

BAOZA (Olrog, 1967:250); see Baeza.

BARRINGTON ISLAND; Galápagos 0049S/9004 (USBGN)
Also = Isla Santa Fe.

BARRO; Los Ríos 0059S/7928 (USBGN)
ca. 100 m, on coastal plain, 5 km N of Quevedo [0102S/7929 (USBGN)] (Mapa, 1957, as "El Barro"); shown too far S on MHA and Mapa, 1950; Colwell, date? (de Schauensee, 1951:4, as "El Barro").

BARTHOLOMEW ISLAND; Galápagos 0017S/9033 (USBGN)
Also = Isla Bartolomé.

BARTOLOMÉ (Salvadori & Festa, 1900:31); see San Bartolomé.

BARTOLOMÉ, ISLA; Galápagos 0017S/9033 (USBGN)
Also = Bartholomew Island.

BATÁN (WFVZ); see El Batán.

BATÁN, QUEBRADA; Pichincha 0013S/7829 (USBGN)
Near Quito [0013S/7830 (USBGN)], but not shown on our maps; Festa, July 1897? (Salvadori & Festa, 1900:13, as "Gole [Gola] di Batan (Quito);" Chapman, 1926a:731).

BATONAGO Not located
Alt.?; Söderström, 25 Aug. ca. 1887 (Allen, 1889:71); presence of *Tanagra ruficervix* indicative of upper tropical/subtropical zone, both slopes.

BEAGLE ISLAND; Galápagos 0025S/9037 (USBGN)
Also = Isla Tiburón.

BEATA ELVIRA (USNM); see Puebloviejo.

BELLAVISTA; Loja Not located
Alt.?; 40 km ENE of Zamora [0404S/7858 (USBGN)], near Paquisha

[ca. 0355S/7843 (Mapa, 1957)], Schmitt and Marin, 8 Aug. 1989 (WFVZ).

BELSHAW, ROCA Not located
Mills, 8 May 1966 (Mills, 1967:537); probably an exposed rock off the coast at La Libertad [0214S/8057 (USBGN)], Guayas, where Mills known to have been at this time.

BEREMEJO (Paynter & Traylor, 1977:11); see Bermejo.

BERMEJA, QUEBRADA; Napo 0017N/7706 (USBGN)
Right-bank affluent of upper Río San Miguel [0008N/7551 (USBGN)], on Ecuador/Colombia border, with mouth 6 km below Santa Rosa de Sucuimbíos [0022N/7710 (USBGN)] (MHA; Mapa, 1950, as "Quebrada Bermejo"; Mapa, 1957; Mapa, 1974, as "Quebrada Bermejo"); collector?, date? (Hellmayr & Conover, 1942, Field Mus. Nat. Hist. Publ., Zool. Ser., **13**, pt. 1, no. 1, p. 196, as "Río Bermejo"); identification somewhat uncertain, but presence of *Aburria aburri,* an eastern slope form, suggests that the locality cannot be Río Bermejo [0442S/7927 (USBGN)], which is on western side of Andes.

BERMEJO; Napo 0031S/7753 (USBGN)
ca. 1,500 m, on lower eastern slope ca. 5 km S of Baeza [0027S/7753 (USBGN)] (Mapa, 1957); Olallas, July 1931, Olalla, Oct. 1936, Loch, ca. 1935-1937 (FMNH); Paynter & Traylor, 1977:11, as "Beremejo."

BERMEJO, QUEBRADA (Mapa, 1950); see Bermeja, Quebrada.

BERMEJO, RÍO (Hellmayr & Conover, 1942:196); see Bermeja, Quebrada.

BESTION; Azuay Not located
10,105 ft [3,075 m], camp in grassy páramo along Río Shingata [not located], with scattered temperate forest, Cherrie, between 10,000-11,000 ft [3,050-3,350 m], 2-16 Jan. 1921 (Chapman, 1926a:20, 704, map); Chapman's map shows this to be a short distance SE of Oña [0332S/7910 (USBGN)], although USBGN indicates that in opposite direction there is a village of Bestión [0310S/7913 (USBGN)].

BIBLIÁN; Cañar 0242S/7852 (USBGN)
ca. 2,600 m, central Cañar, 5 km NW of Azogues [0244S/7850

(USBGN)] (MHA); Bleitz Coll., nearby, Mar. 1968, May, June, July 1969, Bleitz, nearby, 12 June 1969, Bleitz Coll., nearby, June, 27 July, 1 Oct., 20, 25 Nov., 7 Dec. 1970 (WFVZ).

BINDLOE ISLAND; Galápagos 0021N/9029 (USBGN)
Also = Isla Marchena.

BLANCO, CERRO; Guayas 0210S/8002 (Parker & Carr, 1992:42)
ca. 100-420 m, 2,000 ha reserve (Bosque Protector Cerro Blanco) on outskirts of Guayaquil [0210S/7950 (USBGN)], dry to moist limestone forest, Conservation International group, 17 Jan. 1991, 15-20 July 1991 (Parker & Carr, 1992:14, 42-44, 67); not indicated on our maps.

BLANCO, RÍO; Pichincha/Esmeraldas 0028N/7925 (USBGN)
Major southern tributary of Río Esmeraldas [0058N/7938 (USBGN)], rising through confluence of Río Mindo [0003N/7909 (USBGN)], Río Yambí [0001S/7908 (USBGN)], and Río Mulaule [0002N/7908 (USBGN)] on lower slopes at edge of coastal plain (Mapa, 1950; Mapa, 1957); MHA and Mapa, 1974 show Río Blanco rising farther E in the mountains as a continuation of Río Mindo, slightly W of town of Mindo [0002S/7848 (USBGN)]; Chapman (1926a:717) says Río Blanco rises on NW slope of Pichincha [0010S/7833 (USBGN)] and flows NW to Río Guaillabamba [0028N/7925 (USBGN)], and to have been visited frequently by local collectors; only Río Alambi [0014N/7849 (USBGN)] flows from Pichincha into Río Guaillabamba, although some maps name the lower Alambi as the Río Nanegal [0007N/7846 (USBGN)]; Mapa, 1957 does show a small Río Blanco [not in USBGN] rising on the NW slopes of Pichincha, flowing past Calacalí [0001N/7831 (USBGN)], and becoming Río Nono [not in USBGN] before flowing into the Alambi; Chapman (1926a:11) placed Mindo on Río Blanco, but all maps indicate that it is on Río Mindo; it is evident that there is confusion between the Río Blanco flowing into the Esmeraldas and the Río Blanco rising on Pichincha; there is no documentation that collectors visited the latter river, although they probably did, while sometimes there is good evidence that they did collect on the former river; Goodfellow and Hamilton, 7 Nov.-Dec. 1898 (Goodfellow, 1901:314); Rivet, on Río Blanco on road between Santo Domingo de los Colorados [0015S/7909 (USBGN)] and Quito [0013S/7830 (USBGN)] (doubtless via Mindo route, not the present southerly route, and thus at the Río Blanco which meets the Esmeraldas), between ca. 1899-1906 (Menegaux, 1911); Söderström Coll., below

Mindo at 3,000 ft [900 m] (thus indicating the more southern Rio Blanco), date? (Lönnberg & Rendahl, 1922:67); Spillmann, 2, 10, 15 Sept.1931 (Stresemann, 1938:16); Olallas, 9, 23, 28 July, 1-2, 5, 21 Aug. 1930, 20, 22 July, 8, 12 Sept. 1931 (FMNH; CM).

BLANCO, RÍO; Tungurahua 0123S/7818 (USBGN)
Mountain stream entering Río Pastaza [0455S/7624 (USBGN)] from the N at Yunguilla [0123S/7818 (USBGN)] (Brown, 1941, Ann. Entom. Soc. Amer., 34:820); not shown on maps available to us; lies between Baños [0124S/7824 (USBGN)] and town of Río Negro [1024S/7813 (USBGN)]; Clarke-Macintyre Coll., 5-6 Nov. 1937, 22 Jan., 3-4, 6 Feb., 16 May 1939 (MCZ, as "Río Blanco, Baños"; CM).

BOBONAZA, RÍO; Pastaza 0236S/7638 (USBGN)
Left-bank tributary of Río Pastaza [0455S/7624 (USBGN)] rising at base of mountains near Puyo [0128S/7759 (USBGN)] and flowing past Sarayacu [0144S/7729 (USBGN)] and Montalvo [0204S/7658 (USBGN)] to meet the Pastaza at the Ecuador/Peru boundary (MHA; Mapa, 1950; Mapa, 1957); Buckley, at Canelos [0135S/7745 (USBGN)], autumn 1870 (Gould, 1871a:803); Buckley, at Sarayacu, ca. 1876-1880 (Sclater & Salvin, 1880:155); Stolzmann, at Canelos, 1884? (Taczanowski & Berlepsch, 1885:109); Olallas, at Sarayacu, May-July, Nov.-Dec. 1930, Mar.-Apr., Dec. 1931, 20 Feb.-Mar. 1932 (FMNH; Berlioz, 1932a:235ff; CM); Loch, at Sarayacu, ca. 1935-1937 (FMNH); Mena, at Sarayacu, 23-24 Sept. 1937 (LACMNH); Colwell Coll., at Chichirota [0223S/7639 (USBGN)], date? and Churo Yaco [not located], date? (de Schauensee, 1951:2; 1953:32, "Churuyaco"); Olalla, at Churo Yaco, 17 Mar. 1948 (MCZ, as "Chura Yaco"); Colwell Coll., at Chichirota [0223S/7639 (USBGN)], date? (de Schauensee, 1951:2); Proaño, at Montalvo, 17 July, 5 Sept. 1958, 18 Apr. 1964, Mena, at Montalvo, 18 Sept. 1959, Olalla, at Montalvo, 9, 27-28 Oct. 1963, 2-18, 27 Apr. 1964, Proaño, at Montalvo, 18 Apr. 1964 (MCZ); Olalla, at Montalvo, 4 July 1959, Mena, at Montalvo, 27 June 1959 (Orces, 1974:10) and 15 Jan. 1964 (LACMNH); Olalla, at Sarayacu, Nov. 1962 (MCZ); Zoila Coll., at Sarayacu, Jan. 1964 (Norton, et al., 1972:890); Olalla, at Sarayacu, 18 Apr. 1964, Dec. 1972 (Orces, 1974:9-10); Olallas, where?, Mar. 1930 (Berlioz, 1932a:228, 240); Olallas, where?, Mar. 1931, Loch, where?, ca. 1935-1937 (FMNH); Flornoy Coll., where?, 16 July 1936 (Berlioz, 1937c:355).

BOCA SUNO; Napo 0043S/7708 (USBGN)
ca. 200 m, village at confluence of Río Suno [0042S/7708 (USBGN)]

and Río Napo [0320S/7240 (USBGN)], 85 km ESE of Tena [0059S/7749 (USBGN)] (Mapa, 1950; Mapa, 1957; Mapa, 1974, as "Suno"); Goodfellow and Hamilton, first half of May 1899 (Goodfellow, 1901:309, as "Suno, Upper Rio Napo"); Spillmann, 1, 4, 16 Jan. 1931 (Stresemann, 1938:116-117); Olalla, Apr. 1942 (FMNH); Schade, 2 May 1945 (LACMNH).

BODEGAS (Sclater, 1860d:272); see Babahoyo.

BODEGAS, RÍO (Chapman, 1926:704); see Babahoyo, Río.

BOGOTÁ, RÍO; Esmeraldas 0103N/7850 (USBGN)
Short affluent of Río Tulubí [0108N/7846 (USBGN)] rising on lower slopes and flowing W on coastal plain to Carondelet [0106N/7842 (USBGN)] in northern Esmeraldas (MHA; Mapa, 1957); Miketta and Flemming for Rosenberg Coll., at 325 ft [100 m], 25 Jan. 1901 (Hartert, 1901:379; 1902:600; MCZ); Miketta and Flemming, 16 Feb. 1906 (USNM); also see Carondelet.

BOLICHE; Guayas 0220S/7938 (USBGN)
ca. sea level, 34 km ESE of Guayaquil [0210S/7950 (USBGN)] (Atlas Geog.; MHA; Mapa, 1957, as "Montero (Boliche)"; Mapa, 1974, as "General Pedro J. Montero"); USBGN indicates that General Pedro J. Montero [0216S/7938 (USBGN)] is a separate community; Gardner, 9.6 km S, Corado, 28 km S, 14 Mar. 1991 (WFVZ).

BOLÍVAR; Carchi 0030N/7753 (USBGN)
ca. 2,800 m, southeastern Carchi, 30 km NE of Ibarra [0021N/7807 (USBGN)] (MHA); Marin, 6 km NE at Gruto de la Paz [not located], 8 Jan. 1991 (WFVZ).

BOLÍVAR, PROVINCIA DE 0135S/7900 (USBGN)
Bounded on E by Chimborazo and Tungurahua, on N by Cotopaxi, and on W by Los Ríos, west-central Ecuador.

BOLOÑA; Pichincha 0024S/7847 (USBGN)
ca. 1,500 m, in middle of western slope, ca. midway on road between Alóag [0028S/7835 (USBGN)] and Santo Domingo de los Colorados [0015S/7909 (USBGN)] (MHA); Loch, ca. 1935-1937 (FMNH).

BOMBASCARO, RÍO (Chapman, 1926a:722); see Zamora.

BOMBISCARA, RÍO (Chapman, 1926a:249); see Zamora.

BOMBOIZA, RÍO; Morona-Santiago 0325S/7829 (USBGN)
Left-bank tributary of middle Río Zamora [0259S/7813 (USBGN)], rising on slopes W of Gualaquiza [0324S/7833 (USBGN)] and joining the Zamora 6 km ESE of Gualaquiza (Mapa, 1950; Mapa, 1957); Festa, probably near Gualaquiza, Jan. 1896 (Salvadori & Festa, 1900:50; Chapman, 1926a:731).

BORBÓN; Esmeraldas 0106N/7859 (USBGN)
Sea level, 15 km from coast, near confluence of Río Cayapas [0113N/7903 (USBGN)] and Río Santiago [0105N/7858 (USBGN)], northern Esmeraldas (MHA; Mapa, 1957); collector?, July 1901 (FMNH); Arvey, 15 Dec. 1971 (LACMNH).

BORJA; Napo 0025S/7750 (USBGN)
ca. 1,600 m, on lower eastern slope, 10 km NE of Baeza [0027S/7753 (USBGN)] (Mapa, 1950; Mapa, 1974, as "San Francisco de Borja"); Sibley and Varza, 7.5 km SE, 21-24 Sept., 25 Oct. 1989 (WFVZ, also as "San Francisco de Borja").

BOVERA Not located
Alt.?; Olalla, 9 Aug. 1959 (Norton, et al., 1972:891); tropical zone in Oriente, as indicated by presence of *Thamnophilus murinus*.

BRATTLE ISLAND; Galápagos 0101S/9052 (USBGN)
Also = Isla Tortuga.

BRAZA (Chubb, 1916:47); see Baeza.

BUCAY; Guayas 0210S/7906 (USBGN)
298 m, humid tropical zone, forest, largely second growth (Brown, 1941, Ann. Entom. Soc. Amer., 34:820); in foothills of extreme eastern Guayas, at convergence of Guayas, Cañar, Chimborazo, and Bolívar, and on railroad and Río Chimbo [0217S/7924 (USBGN)] (MHA; Mapa, 1957; Mapa, 1974); Siemiradski, Nov. 1882 (USNM); Rhoads, 9-30 June 1911, Gill, 20 Nov.-7 Dec. 1921, Chapman, et al., 25 July 1922 (Chapman, 1926a:13, 20-21; CM); Olalla, 31 Oct. 1929 (CM); Tate, July 1922 (FMNH); Berlioz, Aug. 1936 (Berlioz, 1937a:397-398); Olalla, 16-19 Mar. 1967 (MCZ).

BUCU SLADA (Moore Coll.); see Salado, Río.

BUENA VISTA; Napo ca. 0023N/7615 (Mapa, 1974)
ca. 250 m, village on upper Río Putumayo [0308S/6758 (USBGN)], on Colombia/Ecuador border, 55 km NW of Puerto El Carmen de Putumayo [ca. 0006N/7552 (Mapa, 1974)] (Mapa, 1974); Rylander, 15-30 Dec. 1970, 15-22 Aug. 1972 (Rylander, 1978); previously cited in the *Ornithological Gazetteer of Colombia* (Paynter & Traylor, 1981, p. 27) but is now known to be on the Ecuadorian side of the river.

BUFEO, RÍO; Pastaza Not located
Olalla, Jan. 1963 (Orces, 1974:10); source of *Hylophylax punctulata,* a tropical lowland species; "Río Bujeo" [not located; see below] is probably the same locality.

BUGNAC; Chimborazo ca. 0213S/7853 (Chapman, 1926a:map)
1,987 m (Menegaux, 1908:98); 6,000 ft [1,825 m] (Berlepsch & Taczanowski, 1884:283); 9,265 ft [2,825 m] (Chapman, 1926a:704); "in hot valley of Río Chancán [0217S/7924 (USBGN)],...between Alausí [0212S/7850 (USBGN)] and Chunchi [0217/7855 (USBGN)]," Siemiradski, at 5,400-6,000 ft [1,650-1,825 m], May-June 1883 (Berlepsch & Taczanowski, 1884:283, 290, 296).

BUJEO, RÍO Not located
Olalla, 2 Feb. 1963 (MCZ, as "Río Bujeo, Oriente"); *Tachyphonus surinamus* from here is indicative of tropical zone; "Río Bufeo" [not located; see above] is probably the same locality.

BULIM (FMNH); see Pulún.

BULÚM (FMNH); see Pulún.

BULÚN (FMNH); see Pulún.

CABECERAS DE BILSA; Esmeraldas 0037N/7951 (Parker & Carr, 1992:24)
600-800 m, ridges in western Esmeraldas, near headwaters of Rio Bilsa [0036N/8000 (USBGN)], S of city of Esmeraldas [0059N/7942 (USBGN)] and E of Muisne [0036N/8002 (USBGN)], very wet forest, Conservation International group, 100-300 m, 26-31 Jan. 1991 (Parker & Carr, 1992:14, 24-28, 67); not on our maps.

CABECERAS DEL RÍO; Napo Not located
Alt.?; Olalla, Oct. 1937 (FMNH); doubtless near Baeza [0027S/7753 (USBGN)] as Olalla was in this area at that time.

CACAO; Esmeraldas Not located
Alt.?; on Río Verde [0104N/7925 (USBGN)], collector?, date? (Hellmayr & Conover, 1942, Field Mus. Nat. Hist. Publ., Zool. Ser., **13**, pt. 1, p. 16).

CACHABÉ (Hartert & Goodson, 1917:412); see Cachabí.

CACHABÍ; Esmeraldas ca. 0058N/7848 (Brown, 1941:820)
ca. 200 m, on upper Río Cachabí [0103N/7850 (USBGN), humid tropical zone (Brown, 1941, Ann. Entom. Soc. Amer., **34**:820, as "Cachavi"); near base of mountains on coastal plain, northern Esmeraldas, 25 km SE of Concepción [0103N/7850 (USBGN)] (Atlas Geog.); dense humid forest, Rosenberg, Nov. 1896-Feb. 1897 (Hartert, 1898:477-478; 1902:479, as "Cachavi"; Hartert & Goodson, 1917, Novit. Zool., **24**:412, as "Cachabé"); Olalla, 29 May 1969 (MCZ, as "Cachavi").

CACHAVI (Hartert, 1902:479); see Cachabí.

CACHIYACU; Imbabura? Not located
3,200 ft [975 m] (Hartert, 1902:607-608, as "Cachyjaca" and "Cachyjacu"); NW Ecuador (Hellmayr, 1920, Archiv f. Naturg., 1919, **85**(10):7, as "Cachyjacu"); collector [Flemming?] for Rosenberg, date? (Hartert, 1900, Bull. Brit. Ornith. Club, **11**:39, as "Cachiyacu"; 1902:607-608); probably is Río Cachiyacu [0050N/7828 (USBGN)], apparently a tributary of Río Mira [0136N/7901 (USBGN)], entering near Hacienda Paramba [0049N/7821 (USBGN)], a Rosenberg locality; see Cachiyacu, Río.

CACHIYACU, RÍO; Esmeraldas Not located
Collector?, Oct. 1898 (FMNH); probably = Rio Cachiyacu

[0050N/7828 (USBGN)], *Imbabura,* which does not appear on our maps; also see Cachiyacu.

CACHUQUI (Menegaux, 1911:47); see Hacienda Cachuquí Moncayo.

CACHYJACA (Hartert, 1902:608); see Cachiyacu.

CACHYJACU (Hartert, 1902:608); see Cachiyacu.

CAJABAMBA; Chimborazo 0142S/7845 (USBGN)
3,205 m (Atlas Geog.); 3,540 m, in Central Valley, 11 km W of Riobamba [0140S/7838 (USBGN)] (MHA); Sibley, 10 km SW, 3 Sept. 1987 (WFVZ).

CAJANUMA, EL PORTE DE (Moore Coll.); see Cajanuma, Nudo de.

CAJANUMA, NUDO DE; Loja 0405S/7912 (USBGN)
2,525 m, low divide between watersheds of Río Zamora [0259S/7813 (USBGN)] and Río Catamayo [0418S/8009 (USBGN)] (Brown, 1941, Ann. Entom. Soc. Amer., 34:820); ca. 10 km S of city of Loja [0400S/7913 (USBGN)], heavily cultivated, a few patches of forest with bamboo and a few tree ferns (pers. obser.); Olallas, at "El Portete de Cajanuma," 10-16 Mar. 1936 (Moore Coll.; CM); Gómez, 16 Aug. 1939 (FMNH, as "Cajanuma"; USNM, as "Cajanuma"); Norton, 26-27 July, 2-8 Aug. 1965, Paynter and Norton, at 2,200-2,700 m, 1-4 Oct. 1965 (MCZ, as "Cajanuma Divide"); site of Parque Nacional Podocarpus, Pratt, date?, Pearman, Dec. 1990 (Krabbe, 1992b:170, as "Parque Nacional Podocarpus").

CAJANUMA DIVIDE (MCZ); see Cajanuma, Nudo de.

CAJAPAS Not located
Alt.?; Rosenberg, 1 Nov. 1901 (FMNH); undoubtedly = Río Cayapas [0113N/7908 (USBGN)], on coastal plain of northern Esmeraldas, a Rosenberg locality; see Cayapas, Río.

CAJAS, LAGUNA; Cotopaxi ca. 0040S/7826
4,050 m , very small lake, or series of tiny ponds, on Cotopaxi [0040S/7826 (USBGN)], Burger and Gochfeld, 30 Aug. 1984 (Burger & Gochfeld, 1985); not shown on our maps.

CALACALÍ; Pichincha 0001N/7831 (USBGN)
8,000 ft [2,450 m] (Sclater, 1860c:83); 2,816 m (town), 3,600 m

(páramo to SE) (Brown, 1941, Ann. Entom. Soc. Amer., **34**:820); 20 km N of Quito [0013S/7830 (USBGN)] (Mapa, 1950; Mapa, 1957); humid temperate to páramo (Chapman, 1926a:705); Bourcier, before 1859 (Sclater, 1859a:440); Fraser, Mar. 1859 (Sclater, 1860c:83); Festa, June 1897 (Salvadori & Festa, 1900:8; Chapman, 1926a:731); Holstein, 20 Dec. 1899 (USNM, as "Calicalli"); Rivet, between ca. 1899-1906 (Menegaux, 1911:7; Chapman, 1926a:733); Söderström Coll., date? (Lönnberg & Rendahl, 1922:86); collector?, 1914 (USNM); Marin, on Calacalí/Nanegalito [Nanegal Chico, 002N/7837 (USBGN)] road, 6 July 1900 (WFVZ); also see Callipalli.

CALDAS; see Esmeraldas; Esmeraldas.

CALDWELL, ISLA; Galápagos 0118S/9020 (USBGN)

CALICALLI (USNM); see Calacalí.

CALLIPALLI; Pichincha Not located
10,000 ft [3,050 m], at foot of Pichincha [0010S/7833 (USBGN)], Söderström Coll., date? (Allen, 1889:72); almost certainly = Calacalí [0001N/7831 (USBGN)], which see.

CAMIPAMPA Not located
Alt.?; collector?, date? (Cory, 1918, Field Mus. Nat. Hist. Publ., Zool. Ser., **13**, pt. 2, no. 1, p. 302); presence of *Acestrura bombus* indicative of tropical zone, on either side of Andes.

CAMP 1; Morona-Santiago ca. 0239S/7808 (Robbins, et al., 1987:244)
1,075 m, campsite on Río Chiguasa [or Río Chiviaza, neither located] on lower western side of "the Cutucú" [Cordillera Cutucú Occidental, 0245S/7805 (USBGN)], on trail from Logroño [ca. 0237S/7812 (Mapa, 1974)] to Yaupi [ca. 0250S/7755 (Mapa, 1974)], Robbins, et al., in area from 1,000-1,325 m, 13-22 June 1984 (Robbins, et al., 1987:244; Schulenberg & Gill, 1987).

CAMP 2 (Robbins, et al., 1987:244); see Yapitya.

CAMP 3; Morona-Santiago Not located
1,975 m, campsite, also called "Southern Ridge," south of the trail from Logroño [ca. 0237S/7812 (Mapa, 1974)] to Yaupi [ca. 0250S/7755 (Mapa, 1974)] in Cordillera de Cutucú [Cordillera Cutucú Occidental, 0245S/7805 (USBGN)], Robbins, et al., in

vicinity from 1,950-2,100 m, 3-10 July 1984 (Robbins, et al., 1987:245).

CAMP 4; Morona-Santiago ca. 0243S/7805 (Robbins, et al., 1987:245) 2,225 m, campsite, also called "Elfin Forest Camp," south of the trail from Logroño [ca. 0237S/7812 (Mapa, 1974)] to Yaupi [ca. 0250S/7755 (Mapa, 1974)] in Cordillera de Cutucú [Cordillera Cutucú Occidental, 0245S/7805 (USBGN)], Robbins, et al., in vicinity from 2,100-2,300 m, 10-17 July 1984 (Robbins, et al., 1987:245).

CAMPAMENTO CAPAL GRANDE; Chimborazo? Not located ca. 3,000 ft [925 m], above Chimbo [Puente de Chimbo, 0214S/7907 (Brown, 1941, Ann. Entom. Soc. Amer., **34**:822)], Rosenberg Coll., date? (Hartert, 1898:490).

CAMPEON, ISLA (Mapa, 1957); see Champion, Isla.

CAÑAR; Cañar 0233S/7856 (USBGN) 3,128 m, at top of western slope in center of province, 22 km NNW of Azogues [0244S/7850 (USBGN)] (MHA; Mapa, 1957); Festa, at lake in páramo nearby, Oct.-Nov. 1897 (Salvadori & Festa, 1899a:25, 1900:45, 50; Chapman, 1926a:732); Simons, 5-18 Apr. 1899 (Chubb, 1919:3).

CAÑAR, PROVINCIA DEL 0230S/7900 (USBGN) West-central Ecuador; bounded on S by Azuay, on W by Guayas, on N by Chimborazo, and on E by Morona-Santiago; Bleitz Coll., location?, 20, 25 Nov. 1970 (WFVZ).

CANCHACOTO; Pichincha Not located ca. 5,500-6,000 ft [1,675-1,825 m], on road from Quito [0013S/7830 (USBGN)] to Chone [0041S/8006 (USBGN)] and Santo Domingo de los Colorados [0015S/7909 (USBGN)], Söderström Coll., date? (Lönnberg & Rendahl, 1922:56ff); Rivet, between ca. 1899-1906 (Menegaux, 1911:63); Gómez, Aug. 1939 (FMNH, also as "Conchacoto"); specimens from Nudo de Cajanuma [0405S/7912 (USBGN)], Loja, are also attributed to Gómez in Aug. 1939, suggesting that another collector may be involved, similar to the situation with earlier collection wholesalers who placed their names on specimens obtained from others; Olallas, 10 Feb. 1937 (Verheyen, 1941:1).

CANELOS; Pastaza 0135S/7745 (USBGN)
530 m , on lower slopes of the Oriente, on left bank of Río Bobonaza [0236S/7638 (USBGN)], 30 km SE of Puyo [0128S/7759 (USBGN)] (MHA; Mapa, 1957); humid tropical jungle, generally rainy (Brown, 1941, Ann. Entom. Soc. Amer., 34:820-821); Buckley, autumn 1870 (Gould, 1871a:803); Stolzmann, 1884? (Taczanowski & Berlepsch, 1885:109).

CANGONAMÁ; Loja 0358S/7942 (USBGN)
2,143 m, 58 km W of city of Loja [0400S/7913 (USBGN)], on N slope of valley of Río Casanga [0408S/7949 (USBGN)], midway on road crossing mountain from Buenavista [0355S/7944 (USBGN)] to Catacocha [0404S/7938 (USBGN)] (MHA; Mapa, 1957); Simons, at 1,550 m, 8 July 1899 (Chubb, 1919:3, as "Cangunana, El Oro").

CANGUNANA; El Oro (Chubb, 1919:3); see Cangonamá; Loja.

CANZACOTA (Goodfellow, 1901:309); see Canzacoto,

CANZACOTO; Pichincha 0026S/7845 (USBGN)
ca. 6,100-6,500 ft [1,850-1,975 m] (Oberholser, 1902:309, 323); ca. 2,400 m, on Río Quitasol [0026S/7843 (USBGN)], on western slope, 17 km W of Alóag [0028S/7835 (USBGN)] and 30 km SSW of Quito [0013S/7830 (USBGN)] (MHA); Goodfellow and Hamilton, Sept. 1898 (Goodfellow, 1901:309, as "Canzacota").

CAONÍ, RÍO; Pichincha 0012N/7923 (USBGN)
Small right-bank affluent of lower Río Blanco [0028N/7925 (USBGN)] which rises on lower slopes of northwestern Pichincha and meets the Río Blanco near the Pichincha/Esmeraldas border (MHA; Mapa, 1957); Olalla, on lower part at ca. 70 m, in Esmeraldas [error?], 2 Aug. 1963 (Orces, 1974:10); also see Caune, Río.

CAPAGUARI, RÍO (Norton, et al., 1972:891); see Capahuari, Río.

CAPAGUARY (Orces, 1974:8); see Capahuari, Río.

CAPAHUARI, RÍO; Pastaza 0231S/7651 (USBGN)
Left-bank tributary of middle Río Pastaza [0455S/7624 (USBGN)], meeting that river near Ecuador/Peru border (MHA; Mapa, 1957); Mena, on upper part at 0200S/7715, 11 Dec. 1957 (Norton, et al., 1972:891, 893, as "Río Capaguari"); collector?, locality?, 16, 20 Oct.

1962 (MCZ); Mena, at Capitán Chiriboga [not located], near mouth of river, 10 Nov. 1972, 15 Dec. 1973, 18 July, and 7 Nov. 1974 (Orces, 1974:8-9, as "Capaguary").

CAPATAZA, RÍO (Hellmayr & Conover, 1949:66); see Copotaza, Río.

CAPITÁN CHIRIBOGA; Pastaza Not located
Alt.?; near mouth of Río Capahuari [0231S/7651 (USBGN)] and Ecuador/Peru border, Mena, 10 Nov. 1972, 15 Dec. 1973, 18 July, and 7 Nov. 1974 (Orces, 1974:8-9).

CARABURO, Pichincha 0006S/7822 (USBGN)
7,500 ft [2,287 m], in arid temperate zone of Tumbaco [0013S/7824 (USBGN)] Valley [=Río San Pedro, 0006S/7823 (USBGN)] (Chapman, 1926a:705); near Guaillabamba [0004S/7821 (USBGN)]; does not appear on our maps; Söderström Coll., date? (Lönnberg & Rendahl, 1922:34).

CARACOL; Los Ríos 0140S/7926 (USBGN)
100 m (Simon, 1907:16); on inner part of coastal plain, on Río Caracol [0148S/7930 (USBGN); shown as Río Zapotal ,0140S/7928 (USBGN) on Mapa, 1957], 15 km NNE of Babahoyo [0149S/7931 (USBGN)] (Atlas Geog., 1907; MHA; Mapa, 1957); Rivet, ca. 1898-1899 (Simon, 1907:16).

CARAPUNGO; Pichincha 0009S/7822 (USBGN)
8,600 ft [2,625 m], arid temperate zone above Zámbiza [0009S/7826 (USBGN)], 10 mi [16 km] NE of Quito [0013S/7830 (USBGN)] (Chapman, 1926a:705); does not appear on our maps; Söderström Coll., date? (Lönnberg & Rendahl, 1922:42).

CARAZON Not located
Alt.?; collector?, date? (Hellmayr, 1937, Field Mus. Nat. Hist. Publ., Zool. Ser., **13**, pt. 10, p. 203); source of *Sturnella militaris bellicosa*, a western subspecies; possibly El Corazon [0112S/7906 (USBGN)], Cotopaxi was meant.

CARBONSILLOS, PÁRAMO DE; Loja 0333S/7915 (USBGN)
Alt.?; extreme northern Loja, short distance N of Saraguro [0336S/7913 (USBGN)]; does not appear on our maps; Olallas, 22 Feb. 1936 (CM).

CARCHI, PROVINCIA DEL 0045N/7800 (USBGN)
North-central Ecuador; bounded on N by Colombia, on S and SW by Imbabura and Esmeraldas, and on E by Napo; Robbins, at 0054N/7812, 8 Aug. 1988 (Robbins & Ridgely, 1990:66); Sterling, on Pacific slope [where?] at 2,500 m, 19-22 Nov. 1990 (Krabbe, 1992b:172).

CARIAMANGA; Loja 0420S/7935 (USBGN)
1,933 m, southern Loja, 52 km SW of city of Loja [0400S/7913 (USBGN)] and 40 km ESE of Macará [0423S/7957 (USBGN)] (Mapa, 1957); Krabbe, 1 km E at 2,300 m, 9 Apr. 1991 (Krabbe, 1992b:172).

CARIGO NEGRO Not located
Alt.?; Olalla, Apr. 1944 (FMNH); probably in upper Río Napo [0302S/7240 (USBGN)] area.

CARIHUAIRAZO; Tungurahua 0124S/7845 (USBGN)
5,028 m, snow-capped mountain 10 km NE of Chimborazo [0128S/7848 (USBGN)] (MHA; Mapa, 1974); Rivet, ca. 1898-1899 (Simon, 1907:17, as "Carihuairozo").

CARIHUAIROZO (Simon, 1907:17); see Carihuairazo.

CARNERO, ESTERO (Salvadori & Festa, 1899a:8); see Carnero, Punta.

CARNERO, PUNTA; Guayas 0218S/8055 (USBGN)
Sea level, on southwestern coast of Península de Santa Rosa [0215S/8050 (USBGN)], between Salinas [0213S/8058 (USBGN)] and Anconcito [0220S/8053 (USBGN)] (MHA; Mapa, 1957); Festa, Jan. 1898 (Salvadori & Festa, 1899a:8, as "Estero Carnero"), Carrión, 25 Nov., and 2 km SE, 20 Nov. 1989 (WFVZ).

CAROLINA; Guayas 0213S/8056 (USBGN)
ca. sea level, near coast W of La Libertad [0214S/8057 (USBGN)] on north side of Península de Santa Elena [0215S/8050 (USBGN)]; not shown on our maps; avian fossils collected by Hoffstetter, 1946-1949 (Hoffstetter, 1952, Soc. Géol. France Mém., **66**:39; Campbell, 1976:155, as "La Carolina").

CARONDELED (Chapman, 1926a:705); see Carondelet.

CARONDELET; Esmeraldas 0106N/7842 (USBGN)
60 ft [18 m], Flemming, 9 Oct. 1900 (Hartert, 1901:369; FMNH; CM); on coastal plain on Río Bogotá [0103N/7850 (USBGN)], northern Esmeraldas (Mapa, 1950); Hammond, Oct. 1900 (FMNH, as "Curondelet"); Miketta and Fleming [Flemming], at ca. 450 ft [135 m], 23 Mar. 1901 (Sclater, 1918, Bull. Brit. Ornith. Club, **38**:44); Chapman, 1926a:705, as "Carondeled."

CARRETAS Not located
Alt.?; Olalla, Oct. 1945 (FMNH, as "Carretas, Oriente").

CASA (USNM); see Vinces.

CASANGA (CM); see Casanga, Río.

CASANGA (Hellmayr & Conover, 1949:78); see Cosanga.

CASANGA, RÍO; Loja 0408S/7949 (USBGN)
Right-bank tributary of middle upper Río Catamayo [0418S/8009 (USBGN)], rising in mountains of southwestern Loja NW of Catacocha [0404S/7938 (USBGN)] (MHA; Mapa, 1950); flowing through open, barren region in arid tropics with scant vegetation, hillsides greatly eroded, Cherrie, at ca. 2,900 ft [875 m], near groves of ceiba and gallery forest along streams, 12-19 Sept. 1920 (Chapman, 1926a:20, 717; CM, as "Casanga"); Simons, July 1899 (Chubb, 1919:3, as "Casango"); Norton, at nearby Hacienda Yamana [0401S/7940 (USBGN)], 2-9 July 1965, Norton and Paynter, at Hacienda Yamana, 16-20 Oct. 1965 (MCZ, as "Yamana").

CASANGO (Chubb, 1919:3); see Casanga, Río.

CASCAJAL (CM); see Pichincha; Picinicha.

CASTILLO, CERRO Not located
Alt.?; collector?, date? (de Schauensee, 1966, *Species of Birds of South Amer.*, p. 299); *Grallaria gigantea*, a species of the temperate/subtropical zones, has been recorded from here; possibly the locality is Loma Castillo [0335S/7940 (USBGN)], El Oro, which is on the western slope, far to the S of other records of the taxon, with the exception of a single report from El Tambo [ca. 0408S/7917 (Mapa, 1957)], Loja, just W of the continental divide and ca. 100 km from Loma Castillo; another possibility is El Castillo [not located], Pichincha, which is near Mindo [0002S/7848 (USBGN)].

CATACOCHA; Loja 0404S/7938 (USBGN)
1,872 m, in central Loja in upper Río Casanga [0408S/7949 (USBGN)] valley, 50 km WSW of city of Loja [0400S/7913 (USBGN)] (Mapa, 1957); McLean, 10 km W, 24-25 Sept. 1975 (USNM); Krabbe, 13 Apr. 1991 (Krabbe, 1992b:171).

CATAMAYO; Loja 0359S/7921 (USBGN)
1,268 m (Mapa, 1957); site of airport 15 km W of Loja [0400S/7913 (USBGN)], near head of arid Río Casanga [0408S/7949 (USBGN)] valley (pers. observ.); *olim* La Toma (MHA; Mapa, 1957); Olalla, 6 May 1967 (MCZ, as "La Toma"); Norton, on mountain between Catamayo and Loja, 24 Oct. 1965 (Paynter, 1972:303).

CATAPINO (FMNH); see Concepción; Napo.

CATORAL, LAGUNA; Pichincha? Not located
Alt.?; Olallas, Feb., Nov. 1929 (FMNH, as "Laguna Catoral, Quito, Occidente"); probably near Quito [0013S/7830 (USBGN)] in the Cordillera Occidental [1400S/7400 (USBGN)]; probably the same as Laguna Totoral [not located], which see.

CAUNE, RÍO; Esmeraldas Not located
Collector?, date? (Hellmayr & Conover, 1942, Field Mus. Nat. Hist., Publ., Zool. Ser., **13**, pt. 1, no. 2, p. 596); probably = Río Chaune [0042S/7931 (USBGN)], Pichincha, close to the border of Esmeraldas, or Río Caoní [0012N/7923 (USBGN)], Pichincha, whose mouth also is near the Pichincha/Esmeraldas border.

CAYAMBE; Pichincha 0003N/7808 (USBGN)
2,859 m, town in central highlands, 45 km NE of Quito [0013S/7830 (USBGN)] at western foot of 5,736 m Volcán Cayambe [0002N/7759 (USBGN)] (MHA); arid temperate zone, páramo above 12,000 ft [3,700 m] (Chapman, 1926a:705); records frequently do not differentiate between town and mountain; Jameson, before 1856 (Jardine, 1856:90); Rosenberg, between 9,000-13,000 ft [2,750-4,000 m], June-July 1897 (Hartert, 1898:478ff); Gómez, July 1939 (FMNH); Ascásubi, 5 Feb. 1952 (MCZ); Söderström Coll., eastern side of Cayambe, date? (Lönnberg & Rendahl, 1922:59); also see Guachalá. Río.

CAYANDELE (USNM); see Cayandeled.

CAYANDELED; Chimborazo ca. 0207S/7859 (Chapman, 1926a:map) 1,368 m (Atlas Geog.); 4,500 ft [1,375 m], on western slopes, N of Bucay [0210S/7906 (USBGN)], 8 km E of Río Chimbo [0217S/7924 (USBGN)] and 30 km NW of Alausí [0212S/7850 (USBGN)], humid forest, trees not so high as at Chimbo [Puente de Chimbo, 0210S/7910 (Brown, 1941, Ann. Entom. Soc. Amer., 34:821)], nectandras and fig predominate (Chapman, 1926a:705, map; Atlas Geog.); Stolzmann and Siemiradski, Dec. 1882-May 1883, base from which Surupata [not located], El Placer [not located], Pedregal [not located], Chaguarpata [not located], and Tribulpata [not located] visited (Berlepsch & Taczanowski, 1884:282ff; USNM, as "Cayandele").

CAYAPAS, RÍO; Esmeraldas 0113N/7903 (USBGN) On coastal plain of northern Esmeraldas, near Borbón [0106N/7859 (USBGN)] (MHA; Mapa, 1957); Rosenberg Coll., 11 Nov, 1901 (Hartert, 1902:605); also see Cajapas.

CEBOLLAL (Chapman, 1926a:706); see Cebollal, Quebrada.

CEBOLLAL, QUEBRADA; Loja 0355S/8003 (USBGN) Stream, presumably a left-bank affluent of Río Puyango [Río Túmbez [0330S/8027 (USBGN)], on lower slopes of extreme southwestern Loja, near Buenos Aires [03359S/8004 (USBGN)] and N of Alamor [0402S/8002 (USBGN)]; not indicated on our maps; densely forested, uncultivated, Gill and Cherrie, at 3,100 ft [1,000 m], 21 Sept.-8 Oct. 1921 (Chapman, 1926a:20, 706, as "Cebollal").

CECHE; Chimborazo ca. 0211S/7851 (Chapman, 1926a:map) 9,600 ft [2,925 m], between Alpachaca [ca. 0210S/7855 (Chapman, 1926a:map) and Alausí [0212S/7850 (USBGN)], mountains, partly forested with clumps of trees and brush (Chapman, 1926a:706); Stolzmann and Siemiradski, up to 10,700 ft [3,275 m], Apr.-July 1883? (Berlepsch & Taczanowski, 1884:283ff); Allen, 1889, Bull. Amer. Mus. Nat. Hist., 2:141, as "Cechece".

CECHECE (Allen, 1889:141); see Ceche.

CELICA; Loja 0407S/7959 (USBGN) 6,900 ft [2,100 m], on outlying ridge rising to 2,714 m in extreme southwestern Loja, 85 km WSW of city of Loja [0400S/7913 (USBGN)] (MHA); surrounding region mostly bare mountain slopes, arid temperate to arid tropics, in sheltered ravines some heavy

subtropical forest, Cherrie, at 4,550 ft [1,400 m], 21-28 Sept. 1920 (Chapman, 1921:10; 1926a:19, 706); Norton, nearby at 1,900 m, 14-15 July 1965, and 10 km N, at 1,900 m, 19-25 Aug., 8 Sept. 1965 (MCZ); Gardner, 25 Mar., Carrión, 30 Mar., Carrión, Corado, and Gardner, 4 km W, 17, 24, 26, 30 Mar., Kiff, Corado, and Gardner, 9 km W, 17, 29 Mar., Kiff, 14 km SE, 21 Mar., Kiff, Corado, and Gardner, 16 km SE, 21 Mar. 1991 (WFVZ).

CEMENTO NACIONAL; Guayas 0209S/8002 (Krabbe, 1992b:173)
ca. sea level, ca. 15 km W of Guayaquil [0210S/7950 (USBGN)]; not shown on our maps but obviously a manufacturing plant on the highway and railroad on the outskirts of Guayaquil; Ridgely, July 1979 and unknown subsequent dates (Krabbe, 1992b:173).

CEROTAL Not located
Alt.?; Austin, 4 Apr. 1927, source of *Atlapetes rufinucha spodionotus*, a subtropical/temperate form from northern Ecuador (Moore Coll.).

CHACO (Berlioz, 1928:439); see El Chaco.

CHAGUARPATA; Chimborazo Not located
1,833 m (Menegaux, 1909:98, as "Chahuarpata"); 5,800 ft [1,775 m], on western slope in forest above Cayandeled [ca. 0207S/7859 (Chapman, 1926a:map)], Stolzmann and Siemiradski, 2 Feb. 1883 (Berlepsch & Taczanowski, 1884:282ff; Chapman, 1926a:705-706, also as "Charguarpata"; USNM).

CHAHUARPATA (Menegaux, 1909:98); see Chaguarpata.

CHALOYA (Hellmayr & Conover, 1942:152); see Chaloyo.

CHALOYO; Pichincha Not located
Alt.?; Olallas, May 1930 (FMNH); source of *Penelope montagnii*, indicative of subtropical/temperate zones; Hellmayr & Conover, 1942, Field Mus. Nat. Hist. Publ., Zool. Ser., **13**, pt. 1, no. 1, p. 152, as "Chaloya"; spelling uncertain; probably Saloya [not located], which see, was intended.

CHALPA (Moore Coll.); see Chalpi.

CHALPI; Napo 0022S/7804 (USBGN)
ca. 2,500 m, on Río Maspa [Río Papallacta, 0027S/7758 (USBGN)],

at mouth of Río Chalpi [0023S/7803 (USBGN)], 5 km E of Papallacta [0022S/7808 (USBGN)] and 25 km NW of Baeza [0027S/7753 (USBGN)] (Mapa, 1950); Olallas, 6, 8 Mar. 1927, 6 Mar. 1937 (Moore Coll., also as "Chalpa").

CHALPI, RÍO; Napo 0023S/7803 (USBGN)
Left-bank tributary of upper Río Maspa [Río Papallacta, 0027S/7758 (USBGN)], entering that river at Chalpi [0022S/7804 (USBGN)], 25 km NW of Baeza [0027S/7753 (USBGN)] (Mapa, 1950); Gómez, Mar. 1940 (FMNH); Whitney, in river valley 9 km [by road] E of Papallacta [0022S/7808 (USBGN)], 15 Mar., 1 Apr. 1990 (Whitney, 1993).

CHAMBO; Chimborazo 0144S/7835 (USBGN)
2,759 m, in Central Valley, 12 km SE of Riobamba [0140S/7838 (USBGN)], on upper Río Chambo [0123S/7826 (USBGN)] (Mapa, 1957); temperate zone (Chapman, 1926a:706); Rivet, between ca. 1899-1906 (Menegaux, 1911:5); Rhoads and Lemmon, 10-17 Apr. 1911 (Chapman, 1926a:706).

CHAMBO, RÍO; Chimborazo/Tungurahua 0123S/7826 (USBGN)
A major headwater of Río Pastaza [0455S/7624 (USBGN)] which rises in the vicinity of Riobamba [0140S7838 (USBGN)] (MHA); Mena, where?, 15 Aug., near Riobamba, 8 Sept., Olalla, near Riobamba, 9 Sept. 1929 (CM).

CHAMPION, ISLA; Galápagos 0114S/9023 (USBGN)
Also = Champion Island; Mapa, 1957, as "Isla Campeon."

CHAMPION ISLAND; Galápagos 0114S/9023 (USBGN)
Also = Isla Champion; Mapa, 1957, as "Isla Campeon."

CHANCAY; Cañar Not located
Alt.?; Robbins and Glenn, just NE, at 900 m, 10, 15 Aug. 1986 (Robbins & Ridgely, 1990:62-63); possibly this is Cochancay [ca. 0229S/7917 (Mapa, 1957)], which see.

CHANCHÁN, RÍO; Guayas/Chimborazo 0217S/7924 (USBGN)
Rises in western Andes near Alausí [0202S/7850 (USBGN)] and is one of the major tributaries of the upper Río Yaguachi [0202S/7944 (USBGN)] (Mapa, 1957); Rhoads and Lemmon, at Huigra [0217S/7859 (USBGN)], 12-23 Feb., and at ca. 2,800 ft [850 m], at junction of Río Chanchán with Río Chiguancay [not located], between

Bucay [0210S/7906 (USBGN)] and Huigra, where tropical and subtropical zones meet, 23 Feb.-14 Mar. 1911 (Chapman, 1926a:13, 706, 710); collector?, at Huigra, Aug. 1913 (FMNH); Chapman and Cherrie, at Huigra, 23 May 1916 (Chapman, 1926a:19).

CHANDUY; Guayas 0225S/8040 (USBGN)
Sea level, on SW coast of Península de Santa Elena [0215S/8050 (USBGN)], 40 km below Salinas [0213S/8058 (USBGN)] (MHA); Marchant, to N and W, Oct. 1954-Aug. 1957 (Marchant, 1958:349); Fuentes, on beaches, 9 Sept. 1965 (Fuentes, 1966?:10).

CHAPICRUZ (Lönnberg & Rendahl, 1922:47); see Chaupicruz.

CHAQUISCA YACU Not located
Alt.?; in eastern lowlands, probably in Napo or Pastaza, collector?, date? (Olson, 1973, Proc. Biol. Soc. Washington, **86**:408); possible misspelling of "Chaquiscahuaicu" under which USBGN lists two streams, although these are in the highlands.

CHARCO REDONDO Not located
Alt.?; collector?, date? (Hellmayr & Conover, 1942, Field Mus. Nat. Hist. Publ., Zool. Ser., **13**, pt. 1, no. 1, p. 609); presence of *Geotrygon veraguensis* is indicative of northwestern Ecuador; probably in vicinity of Charco Largo [0108N/7830 (USBGN)], Carchi.

CHARGUARPATA (Chapman, 1926a:705); see Chaguarpata.

CHARLES ISLAND; Galápagos 0117S/9026 (USBGN)
Also = Isla Santa María or Isla Floreana.

CHATHAM ISLAND; Galápagos 0050S/8926 (USBGN)
Also = Isla San Cristóbal.

CHAUPI (Salvadori & Festa, 1899a:2); see El Chaupi.

CHAUPICRUZ; Pichincha ca. 0009S/7829 (Hoja CT ÑIII-BI)
ca. 2,780 m (Hoja CT ÑIII-BI); 5 mi [8 km] N of Quito [0013S/7830 (USBGN)], Söderström Coll., date? (Lönnberg & Rendahl, 1922:23, 42, 47, also as "Chapicruz"); arid temperate zone (Chapman, 1926a:706).

CHICAL; Cañar 0224S/7858 (USBGN)
10,100 ft [3,075 m] (Chapman, 1926a:632); on western slope in central Cañar, S of Huigra [0217S/7859 (USBGN)]; not shown on maps available to us; Tate and Wickenheiser, Dec, 1922 (FMNH).

CHICEROTA (de Schauensee, 1953:33); see Chichirota.

CHICHEROTA; Pastaza (de Schauensee, 1951:2); see Chichirota.

CHICHEROTA; Pichincha Not located
Alt.?; Mena, 25 Nov. 1971 (Orces, 1974:8); source of *Zebrilus undulatus*; almost certainly this is Chichirota, Pastaza, which see.

CHICHI, RÍO Not located
Alt.?; Olallas, Aug. 1930 (FMNH); probably is Río Chíche [0009S/7824 (USBGN)], NE of Quito [0013S/7830 (USBGN).

CHICHIROTA; Pastaza 0223S/7639 (USBGN)
ca. 300 m, close to Ecuador/Peru boundary on E bank of lower Río Bobonaza [0236S/7638 (USBGN)], an affluent of Río Pastaza [0455S/7624 (USBGN)] (Mapa, 1950; Mapa, 1974); Colwell Coll., date? (de Schauensee, 1951:2, as "Chicherota, at 0222S/7638"; 1953: 33, 38, as "Chicerota"); also see Chicherota, Pichincha.

CHICO, RÍO; Guayas Not located
Dry stream bed, apparently a tributary of Río Grande [ca. 0020S/8055 (Edmund, 1965:1)], in southeastern Península de Santa Elena [0215S/8050 (USBGN)], between Santa Elena [0214S/8051 (USBGN)] and Ancón [0220S/8052 (USBGN)] (Edmond, 1965:1); avian fossils collected by Spillmann, ca. 1937-1939 (Spillmann, 1942:375-377).

CHIGCHI COCHA; Pichincha Not located
Alt.?; Olallas, Jan. 1931 (FMNH).

CHIGUANCAY, RÍO Not located
Rhoads and Lemmon, at ca. 2,800 ft [850 m], at junction of Río Chanchán [0217S/7924 (USBGN)] and Río Chiguancay, on railway between Bucay [0210S/7906 (USBGN)] and Huigra [0217S/7859 (USBGN)], where tropical and subtropical zones meet [ca. 0214S/7903], 23 Feb.-14 Mar. 1911 (Chapman, 1926a:13, 706).

CHIGUAZA; Morona-Santiago 0159S/7758 (USBGN)
ca. 1,000 m, on lower slopes, 40 km ESE of Volcán Sangay [0200S/7820 (USBGN)], on Río Chiguaza [0156S/7750 (USBGN)], a tributary of Río Pastaza [0455S/7624 (USBGN)] (Mapa, 1950; Mapa, 1957); Gómez, Dec. 1942 (FMNH).

CHIGÜINDA; Morona-Santiago 0312S/7836 (USBGN)
ca. 1,500-2,000 m, on left bank of upper Río Cuchupamba [Río Blanco, 0324S/7836 (USBGN)], 19 km NW of Gualaquiza [0324S/7833 (USBGN)] (Mapa, 1950; Mapa, 1957; Mapa, 1974); Buckley, date? (Sclater, 1888, Cat. Birds Brit. Mus., **14**:370, as "Chiquinda").

CHILCO; Pichincha Not located
8,500 ft [2,600 m] (Lönnberg & Rendahl, 1922:26); on Río San Pedro [0006S/7823 (USBGN)], ca. 6 mi [10 km] E of Quito [0013S/7830 (USBGN)] (Chapman, 1926a:706); Söderström Coll., date? (Lönnberg & Rendahl, 1922:24); possibly Quebrada Chilcos [0035S/7836 (USBGN)] was intended.

CHILLA; El Oro 0328S/7935 (USBGN)
2,450 m (Mapa, 1957); in northeastern corner of province, 29 km NNE of Zaruma [0341S/7937 (USBGN)], on NW side of Cordillera de Chilla [0332S/7937 (USBGN)] (MHA; Mapa, 1957; Mapa, 1974); collector?, date? (MCZ).

CHILLANES; Bolívar 0150S/7902 (USBGN)
7,686 ft [2,325 m] (Chapman, 1926a:706); in southern Bolívar, almost on its eastern border, 11 km NW of Pallatanga [0159S/7857 (USBGN)] (MHA; Mapa, 1974); Fraser, Nov. 1858 (Sclater, 1860a:63).

CHILLIO Not located
Alt.?; collector?, date? (USNM); probably a misspelling and a reference to Chillo Valley, which see.

CHILLO (USNM); see Chillo Valley.

CHILLOGALLO; Pichincha 0016S/7834 (USBGN)
ca. 2,800 m, on southern outskirts of Quito [0013S/7830 (USBGN)] (Mapa, 1957); arid temperate zone (Chapman, 1926a:706); Söderström Coll., date? (Lönnberg & Rendahl, 1922:23, as "Chilogalla"); Mena, 18 Feb. 1934 (USNM).

CHILLO VALLEY; Pichincha 0020S/7827 (Brown, 1941:821) ca. 2,500 m, broad valley through which flows Río San Pedro [0006S/7823 (USBGN)], SE of Quito [0013S/7830 (USBGN)], arid in N and semi-arid in S, irrigated cultivation (Brown, 1941, Ann. Entom. Soc. Amer., **34**:821); Hacienda Chillo Ordóñez [0021S/7826 (USBGN)] and Hacienda Chillo [0051S/7834 (USBGN)] are here and it may be the origin of the coined name "Chillo Valley"; Fraser, ca. Feb.-May 1859 (Sclater, 1860b:73; 1860s:88); Festa, Dec. 1896, Aug. 1897? (Salvadori & Festa, 1899a:4; Chapman, 1926a:706, 731); Goodfellow and Hamilton, at Cerro Ilalo [0016S/7824 (USBGN)], Nov. 1898 (Oberholser, 1902:338, as "Ilalo"); Rivet, ca. 1898-1899 (Simon, 1907:20, as "Ilalo"); Goodfellow and Hamilton, Jan. 1899 (Goodfellow, 1901:307); collector?, 22 Jan. 1911, Orton, date?, Riche, date? (USNM, as "Chillo" and "Chillo Valley"); Söderström Coll., above Chillo [=? Hacienda Chillo], at 10,000 ft [3,050 m], date? (Lönnberg & Rendahl, 1922:47); see, also, Tumbaco.

CHILOGALLA (Lönberg & Rendahl, 1922:23); see Chillogallo.

CHIMBO (Hartert, 1898:478); see Chimbo, Puente de.

CHIMBO, PUENTE DE; Chimborazo ca. 0210S/7906 (Atlas Geog.) 345 m (Brown, 1941, Ann Entom. Soc. Amer., **34**:822); settlement [and presumably a bridge, both of which seem to have disappeared] in western foothills of the Andes, near juncture of Chimborazo, Guayas, and Bolívar, on left bank of upper Río Chimbo [0217S/7924 (USBGN)], above railroad station at General Elizalde [Bucay, 0210S/7906 (USBGN)], Guayas (Atlas Geog.); Brown (loc. cit.) erroneously placed on Río Chanchán [0217S/7924 (USBGN)], which rises farther south, although it eventually joins the Chimbo to form the Río Yaguachi [0202S/7944 (USBGN)]; specimens sometimes labelled simply "Chimbo"; not to be confused with the Chimbo [not located] near Bodegas [Babahoyo, 0149S/7931 (USBGN)], Los Ríos (vide Berlepsch & Taczanowski, 1883:536); band of virgin forest [ca. 1925] ca. 10 mi [16 km] wide along railway, fauna mainly tropical with mixture of savanna and forest forms, and some subtropical fauna (Chapman, 1926a:706-707); Stolzmann and Siemiradski, at 500-1,000 ft [250-925 m], ca. Aug.-Dec. 1882 (Berlepsch & Taczanowski, 1883:536ff); Rosenberg, at 500-1,000 ft [150-300 m], July-Sept. 1897 (Hartert, 1898:478ff, as "Chimbo"; CM); Rivet, between ca. 1899-1906 (Menegaux, 1911:17); Chapman, et al., 31 July-4 Aug. 1922 (Chapman, 1926a:21); Tate, at 1,200 ft

[350 m], Aug.-Sept., 1922, with known specific date of 27 Aug. (FMNH; CM); also see Mímbo, Puente de.

CHIMBORAZA (Phelps & Gilliard, 1940:8); see Chimborazo; Chimborazo.

CHIMBORAZO; Chimborazo 0128S/7848 (USBGN)
6,272 m, highest peak in country, in central Ecuador (MHA); Fraser, at Panza [not located], in páramo at 14,000 ft [4,275 m] on S slope, Jan. 1859 (Chapman, 1926a:714); Stolzmann, Apr. 1884 (Taczanowski & Berlepsch, 1885:69, 111, 114); Simons, at 5,600 m, 2 Mar. 1889 (Chubb, 1919:260); Baron, at 12,000-17,000 ft [3,650-5,200 m], Apr., Sept. 1893 (Hartert & Hartert, 1894:58); Richardson, 3-4 July 1913 (CM); Richardson, in páramo on S slope, 9 July-23 Sept. 1913 (Chapman, 1926a:707); Söderström Coll., date? (Lönnberg & Rendahl, 1922:56); Austin, 25, 30 Aug., Moore, 22, 27, 31 Aug. 1929 (CM); Moore, at 17,000 ft [5,175 m], ca. Sept. 1929 (Moore, 1934b:150-151); Olalla, 27 Aug. 1929 (CM); Olallas, at nearby marsh (Ciénaga del Chimborazo), 25 July 1937, Gómez, May 1939 (FMNH; LACMNH); Lévêque, at foot, 23 Apr. 1960 (Lévêque, 1964:61); Krabbe, on N slope on Ambato [0115S/7837 (USBGN)]/Guaranda [0136S/7900 (USBGN)] road, 18 Aug. 1990 (Krabbe, 1992a:168); Phelps & Gilliard, 1940, Amer. Mus. Novit., no. 1100, p. 8, as "Chimboraza."

CHIMBORAZO, CIÉNAGA DEL (FMNH); see Chimborazo; Chimborazo.

CHIMBORAZO, PROVINCIA DEL 0200S/7840 (USBGN)
West-central Ecuador; bounded on E by Morona-Santiago, on S by Cañar, on W by Bolívar, and on N by Tungurahua.

CHIMIPLAYAS Not located
Alt.?, three days travel E of Quito [0013S/7830 (USBGN)], Olallas, Sept. 1936 (FMNH); presumably near Cerro Condeja [not located], said to be two and a half days E of Quito; also see Chimiplayas, Cerro.

CHIMIPLAYAS, CERRO Not located
Alt.?; 13 [3?] days travel E of Quito [0013S/7830 (USBGN)], Olallas, Oct. 1936 (FMNH); Hellmayr & Conover, 1942, Field Mus. Nat. Hist. Publ., Zool. Ser., **13**, pt. 1, no. 1, p. 196, as "Cerro Chiniplayas"; also see Chimiplayas.

CHIN BLAS; Morona-Santiago Not located
Alt.?; on Volcán Sangay [0200S/7820 (USBGN)], collector?, 16 Sept. 1932 (Vuilleumier & Ewert, 1978, Bull. Amer. Mus. Nat. Hist., **162**:67).

CHINGUIL; Pichincha 0013S/7839 (USBGN)
9,000 ft [2,750 m], on Pacific slope below Lloa [0015S/7835 (USBGN)] (Chapman, 1926a:707); not shown on available maps; ca. 20 km SW of Quito [0013S/7830 (USBGN)]; Festa, June 1897 (Salvadori & Festa, 1899a:5; Chapman, 1926a:731); Söderström Coll., date? (Lönnberg & Rendahl, 1922:67, as "Chinquil"); Holstein, 14 Dec. 1899 (USNM).

CHINIPLAYAS, CERRO (Hellmayr & Conover, 1942:196); see Chimiplayas, Cerro.

CHINQUIL (Lönnberg & Rendahl, 1922:67); see Chinguil.

CHIQUINDA (Sclater, 1888:370); see Chigüinda.

CHIRIBOGA; Pichincha 0015S/7844 (USBGN)
ca. 1,500 m, on western slope, 25 km SW of Quito [0013S/7830 (USBGN)], on old road to Santo Domingo de los Colorados [0015S/7909 (USBGN)] (Mapa, 1950; Mapa, 1957); Lévêque, at Chiriboga and nearby along Río Saloya [0001N/7857 (USBGN)], 24 May 1960, 20, 27 Nov. 1960 (Lévêque, 1964:61); Greenfield, on "lower Chiriboga road," at 1,800 m, 13 Aug. 1978, and at 1,400 m, 7 Feb. 1980, Ridgely, et al., on road ca. 30 km WSW, 2 Feb. 1980 (Ridgely, 1980:246, 247); Ross, et al., here and along road, 26-28 Sept. 1986 (Evans, 1988:86); Bleitz Coll., 9 Sept. 1969, and nearby, 13 July 1970, Gardner and Corado, 4.5 km SW at Las Palmeras [not located], at 1,900 m, 4, 14[?] Apr. 1991, Carrión, et al., 35 km W of Quito [0013S/7830 (USBGN)], near Chiriboga, at Las Palmeras, 10-26 June, 13-14 July, 13 Aug.1989, Carrión, 10-11 Mar., Beals, 16 June, Marin, 7, 14 July, 26 Aug. 1990, Marin, 11 Nov. 1991, Livingstone, 23 May, Marin, 22 June 1992(WFVZ; Marin, in litt.).

CHITOQUE Not located
Alt.?; collector?, date? (Zimmer, 1943, Amer. Mus. Novit., no. 1246, p. 11); source of *Tangara nigroviridis consobrina*, a subtropical western form.

CHIVINDA Not located
Alt.?; Buckley, date? (Zimmer, 1944, Amer. Mus. Novit., no. 1262, p. 2); ranges of species recorded from here are of no help in locating the site, with *Hemithraupis flavicollis peruana* and *Tangara cyanicollis caeruleocephala,* forms of the eastern slope, and *T. nigroviridis consobrina* and *Thraupis bonariensis darwini,* forms of the western slope, and *Sicalis luteola bogotensis*, a form of the temperate highland, all reported from Chivinda; doubtless some subspecific identifications are erroneous and account for the contradictory information; Chapman, 1926a:606, as "Cluvinda"; possibly this is Chigüinda [0312S/7836 (USBGN)], Morona-Santiago.

CHOLÁN; Pichincha ca. 0001S/7821 (Hoja CT ÑIII-B1)
ca. 2,200 m, in Central Valley, 5 km N of Guaillabamba [0004S/7821 (USBGN)] (Hoja CT ÑIII-B1); Marin, 18 July 1990.

CHONE; Manabí 0041S/8006 (USBGN)
65 ft [20 m] (Chapman, 1926a:707); on coastal plain of central Manabí, 45 km from the coast (MHA); Rivet, ca. 1898-1899 (Simon, 1907:16, as "Chones"); Richardson, Dec. 1912-Feb. 1913, with known specific dates of 23 Dec., 3 Feb. (Chapman, 1926a:707; CM; USNM); Söderström Coll., date? (Lönnberg & Rendahl, 1922:655, as "Chones"); Proaño, 20 Nov. 1959 (MCZ).

CHONES (Lönnberg & Rendahl, 1922:655); see Chone.

CHONGÓN; Guayas 0214S/8004 (USBGN)
ca. 100 m, 25 km W of Guayaquil [0210S/7950 (USBGN)] (MHA); Simons, 18-22 Nov. 1898 (Chubb, 1919:2, as "Chougou"); Mena, 16, 21 Nov. 1929 (CM); Tate, Oct. 1922, Olallas, Nov. 1929 (FMNH).

CHONGÓN, CORDILLERA DE; Guayas 0206S/8009 (USBGN)
ca. 500 m, southeastern extension of Cerros de Colonche [0200S/8020 (USBGN)], a short distance NW of Guayaquil [0210S/7950 (USBGN)] (MHA; Mapa, 1974, as "Cerros de Chongón"); ravines between arid shoulders bear [still?] heavy forest and humid tropical zone fauna, Chapman, et al., 10-13 July 1922 (Chapman, 1926a:707, as "Chongon Hills").

CHONGONCITO; Guayas 0214S/8005 (USBGN)
ca. 100 m, adjacent to Chongón [0214S/8004 (USBGN)], 25 km W of Guayaquil [0210S/7950 (USBGN)] (Mapa, 1957); USBGN coordinates indicate is W of Chongón but Mapa, 1957 shows to the

E; equatorial arid fauna, Cherrie and Gill, 6-11 July 1921 (Chapman, 1926a:707).

CHONGON HILLS (Chapman, 1926a:707); see Chongón, Cordillera de.

CHONTA, RÍO (USBGN); see Chonta Urcu.

CHONTA-URCO (FMNH); see Chonta Urcu.

CHONTA URCU Not located
Alt.?; collector?, date? (de Schauensee, 1953:33); Olallas, June 1938 (FMNH, as"Chonta-Urco"); this may be Chonta Yacu or Chanta-Yauca, both of which are equivalent to Río Chonta [0117S/7757 (USBGN)], Pastaza (Mapa, 1950, as "Río Chonta"; Mapa, 1957, as "Chonta Yacu"); Hellmayr & Conover (1942, Field Mus. Nat. Publ., Zool. Ser., **13**, pt. 1, no. 1, p. 37) cast doubt on this assumption by placing "Chonta-Urco" near Archidona [0055S/7748 (USBGN)], Napo, which is ca. 40 km NNE of the river, while Puyo [0128S/7759 (USBGN)], only ca. 25 km S, would seem to have been a more logical reference point if, indeed, Río Chonta was meant.

CHONTA YACU (Mapa, 1957); see Chonta Urcu.

CHONTA-YAUCA (USBGN); see Chonta Urcu.

CHORILLOS; Pichincha Not located
Alt.?; on western slope, near Nanegal [0007N/7846 (USBGN)], Rivet, between ca. 1899-1906 (Menegaux, 1911:14, as "Chorillos, Nanegal").

CHOTA, RÍO; Imbabura/Carchi 0029N/7804 (USBGN)
An affluent of Río Mira [0136N/7901 (USBGN)] rising in mountains to E of Ibarra [0021N/7807 (USBGN)] and flowing NW to meet the Mira, 15 km N of Ibarra (MHA; Mapa, 1950); valley through which it flows is hot and arid, steep sides covered with thorny scrub, sometimes devoid of green, much rock and sand, Festa, at Concepción [La Concepción, 0036N/7807 (USBGN)], a short distance *below* mouth of Río Chota [and, strictly speaking, not in Río Chota valley] at 5,050 ft [1,525 m], 2-30 Apr. 1897, Goodfellow and Hamilton, in valley, Apr. (Chapman, 1926a:707, 731, as "Valley of Chota") and 18 June 1898 (WFVZ, as "Chota Valley"); Rivet, ca. 1898-1899 (Simon, 1907:17); Söderström Coll., date? (Lönnberg & Rendahl, 1922:54-55, sometimes as "Chotas"); Berlioz, Aug. 1936

(Berlioz, 1937a:408); Olalla, 21-22 Sept. 1930 (Stresemann, 1938:117); Olallas, 2, 5 Oct. 1963, 19-20 Aug. 1965 (MCZ); also see Hacienda San Vicente and La Juna.

CHOTA, VALLEY OF (Chapman, 1926a:707); see Chota, Río.

CHOTAS (Lönnberg & Rendahl, 1922:54); see Chota, Río.

CHOTA VALLEY (WFVZ); see Chota, Río.

CHOUGOU (Chubb, 1919:2); see Chongón.

CHUCHUMBLEZA, RÍO; Morona-Santiago 0332S/7830 (USBGN)
Tributary of upper Río Zamora [0259S/7813 (USBGN)], rising in mountains SW of Gualaquiza [0324S/7833 (USBGN)] and entering the Zamora at Las Peñas [or Zamiqui, ca. 0331S/7829 (Mapa, 1957)] (Mapa, 1957; Mapa, 1974); collector?, date? (Zimmer, 1953, Amer. Mus. Novit., no. 1649, p. 5, as "Río Cumchumbleza").

CHUGA, MONTE Not located
Alt.?; in eastern cordillera, Olallas, Sept. 1930 (FMNH); probably Chugá [ca. 0023N/7756 (Mapa, 1957)], at 2,742 m, above the upper Río Chota [0029N/7804 (USBGN)], Imbabura, was intended.

CHUNCHI; Chimborazo 0217S/7855 (USBGN)
2,260 m, on western slope, just S of valley of upper Río Chanchán [0217S/7855 (USBGN)] and 12 km SW of Alausí [0212S/7850 (USBGN)] (Mapa, 1957); collector?, date? (Chapman, 1926a:626; also see Hacienda Jalancay,.

CHUQUIPOGYO; Chimborazo 0133S/7850 (USBGN)
ca. 4,000-4,500 m, on S slope of Chimborazo [0128S/7848 (USBGN)] (MHA, as "Chuquipoquio"; Mapa, 1950); Festa, 17 Aug. 1897 (Salvadori & Festa, 1900:37, as "Chuquipoquio"; Chapman, 1926a:732, as "Chuquipoquio"); Paynter & Traylor, 1977:27, as "Chuquipogyo, Tungurahua."

CHUQUIPOGYO; Tungurahua (Paynter & Traylor, 1977:27); see Chuquipogyo; Chimborazo.

CHUQUIPOQUIO (MHA); see Chuquipogyo; Chimborazo.

CHURA YACO (MCZ); see Churo Yaco.

CHURO YACO; Pastaza Not located
Alt.?; on middle Río Bobonaza [0236S/7638 (USBGN)], Colwell Coll., date? (de Schauensee, 1951:2; 1953:32, as "Churuyaco," p. 38, as "Churoyaco"); Olalla, 17 Mar. 1948 (MCZ, as "Chura Yaco").

CHURUCO Not located
Alt.?; Buckley, date? (Hargitt, 1890, Cat. Birds Brit. Mus., **18**, p. 477); source of *Phloeoceastes pollens*, an upper elevation species; also see Curiurcu.

CHURUYACO (de Schauensee, 1953:32); see Churo Yaco.

CIGUIN, LAGO (de Schauensee, 1953:33); see Siguin, Laguna de.

CITADO; Chimborazo ? Not located
Alt.?; Buckley, 1870 (Gould, 1871a:803; 1871b:504; 1872:196); a Río Citado, ca. 15 km NW of Alausí [0212S/7850 (USBGN)], is shown in *Atlas Geográfico del Ecuador* (Inst. Geog. Militar & Min. Rel. Exter., 1975-1976, p. 45); this is the only time "Citado" has appeared on any map or in any gazetteer we have seen; its position on the W slope could have been predicted from the known ranges of the birds reported from Citado; Buckley, or his collectors, are also known to have been in that region (e. g., Pallatanga [0159S/7857 (USBGN)]) about this time; it appears that Citado may refer to Río Citado or be a hamlet near the river.

CLUVINDA (Chapman, 1926a:606); see Chivinda.

COAQUE; Manabí 0000/8006 (USBGN)
Sea level, village on coast of northern Manabí at mouth of Río Coaque [0001N/8006 (USBGN)], 5 km SW of Pedernales [0005N/8003 (USBGN)] (Mapa, 1950, where shown too far N); collector?, date? (Chapman, 1926a:563, p. 603, as "Coaque El Destino," p. 676, as "Cuaque").

COAQUE, RÍO; Manabí 0001N/8006 (USBGN)
Short river rising in Montañas de Mache [0015N/7950 (USBGN)], northwestern Manabí near Pata de Pájaro [002N/7959 (USBGN)], and flowing SW and then NW to coast S of Punta Pedernales [0005N/8007 (USBGN)] (Mapa, 1950; Mapa, 1974); collector?, date? (Chapman, 1926a:380); Conservation International group at site within moist semideciduous forest between Tabuga [ca. 0004S/8008 (Mapa, 1974)] and Rio Cuaque [Rio Coaque], at ca. 60-320 m, 19 July 1991 (Parker & Carr, 1992:14, 32-34, 67).

COAQUE EL DESTINO (Chapman, 1926a:603); see Coaque.

COCA; Napo 0028S/7658 (USBGN)
250 m, at mouth of Río Coca [0029S/7658 (USBGN)] on upper Río Napo [0320S/7240 (USBGN)] (Mapa, 1950; Mapa, 1957, as "Francisco de Orellana"; Mapa, 1974, as "Puerto Francisco de Orellana"); Leck and Alden, on Río Napo, near Coca, Apr. 1978 (Leck, 1980:313); Greenfield on road between here and Lago Agrico [ca. 0006N/7653 (Mapa, 1974)], 28-29 Mar. 1979 (Ridgely, 1980:243); Carrión and Sibley, 4 km SE, 24, 27 Nov., Barber and Sibley, 30 km SSE, 20 Nov., Sibley, Barber, Sornoza, and Carrión, 40 km SE, 21-27 Nov. 1988, Marin, 5 km NW on Río Payamino [0029S/7700 (USBGN)], at ca. 350 m, 23 Nov., 11 Dec., Marin, 2 km E, at ca. 300 m, 23 Nov. 1991(WFVZ; LACMNH; Marin, in litt.).

COCA, RÍO; Napo 0029S/7658 (USBGN)
Important left-bank tributary of upper Río Napo [0320S/7240 (USBGN)], rising through the confluence of several rivers in the foothills of central Napo; most collecting on river done at mouth near the town of Coca [0028S/7658 (USBGN); apparently now called either Francisco de Orellana or Puerto Francisco de Orellana], at ca. 260 m, in humid tropical jungle (Brown, 1941, Ann. Entom. Soc. Amer., **34**:824); Goodfellow and Hamilton, May-July 1889 (Chapman, 1926a:706); collector?, at mouth, date? (Orces, 1974:9).

COCA AZUL; Napo Not located
Alt.?; on Río Napo [0320S/7240 (USBGN)], collector?, date? (Hellmayr & Conover, 1948, Field Mus. Nat. Hist., Zool. Ser., **13**, pt. 1, no. 2, p. 258); possibly this is a river associated with Río Coco [0029S/7658 (USBGN)], a tributary of the Napo.

COCA FALLS; Napo Not located
1,500 m, on Río Quijos [0014S/7743 (USBGN)] on the Quito [0013S/7830 (USBGN)]/Lago Agrio [ca. 0006N/7653 (Mapa, 1974)] road, Ridgely and Rowlett, 27 June 1979, Greenfield, 21 Feb. 1980, and Greenfield, ca. 10-15 km W at 1,600 m, Sept. 1978, 14 Mar. 1980 (Ridgely, 1980:245, 246, 247); this may also be called Cascada San Rafael, which see.

COCANCHAY (Robbins & Ridgely, 1990:68); see Cochancay.

COCHANCAY; Cañar ca. 0229S/7917 (Mapa, 1957)
ca. 100 m, on eastern edge of coastal plain, on highway at Km 56, 75 km SE of Guayaquil [0210S/7950 (USBGN)] (Mapa, 1957; WFVZ); collector?, 90 [75?] km E [SE?] of Guayaquil, 24 Nov. 1962 (MCZ); Bleitz Coll., 2, 7, 15 Nov. 1971, Bleitz Coll., nearby, 18 May 1968 (WFVZ); Ridgely, et al., above Cochancay, Aug. 1980 (Robbins & Ridgely, 1990:63, p. 68, as "Cocanchay"); also see Chancay.

COCHASECA; Chimborazo ? Not located
7,800 ft [2,375 m], range between Río Chimbo [0217S/7924 (USBGN)] and Huigra [0217/7859 (USBGN)], Tate, Sept. 1922 (FMNH); altitude may refer to collecting site rather than maximum height of the mountain range.

COCHAUCU; Pichincha ca. 0016S/7818
3,250 m, 8 km SE of Pifo [0014S/7820 (USBGN)], Carrión, 29-30 Mar., Schmitt and Marin, 8 July 1989, Carrión and Marin, 29 Mar. 1990 (WFVZ; Marin, in litt.); not found on our maps but appears to be on lower western slopes of Eastern Andes of central eastern Pichincha on the road to Papallacta [0022S/7808 (USBGN)].

COCO; Napo Not located
Alt.?; ca. 64 km NE of Puerto Francisco de Orellana [*olim* Coca, 0028S/7658 (USBGN)], Matheus, 16 Sept. 1987 (Kiff, et al., 1989:28).

COCO, RÍO (Chapman, 1926a:708); see Pallatanga, Río.

COLIMBA; Morona-Santiago Not located
Alt.?; W of Macas [0219S/7807 (USBGN)], collector?, date? (Hellmayr & Conover, 1942, Field Mus. Nat. Hist. Publ., Zool. Ser., **13**, pt. 1, no. 1, p. 275).

COLONCHE; Guayas 0201S/8040 (USBGN)
ca. sea level, on N side of Península de Santa Elena [0215S/8050 (USBGN)], 30 km NE of Santa Elena [0214S/8051 (USBGN)] and 5 km inland (MHA); equatorial arid fauna, Gill, 20 Dec. 1921 (Chapman, 1926a:20, 708).

COLONCHE, CERROS DE; Guayas 0200S/8020 (USBGN)
ca. 1,000 m, range of hills ca. 25 km inland and roughly parallel to NW coast of Guayas, with southeastern part, near Guayaquil [0210S/7950 (USBGN)], known as Cordillera de Chongón

[0206S/8009 (USBGN)] (MHA; Mapa, 1957, as "Cordillera de Colonche"); forested, humid tropical zone at summit, Tate, ca. 1921-1922 (Chapman, 1926a:16, 708); also see Chongón, Cordillera de and Manglaralto, Cerro de.

COLONCHE, CORDILLERA DE (Mapa, 1957); see Colonche, Cerros de.

COLTA (Saunders & Salvin, 1896:190); see Colta, Laguna de.

COLTA, LAGUNA DE; Chimborazo 0144S/7845 (USBGN)
ca. 1,500 m, small lake in highlands 5 km SSE of Cajabamba [0142S/7845 (USBGN)] and 15 km SW of Riobamba [0140S/7838 (USBGN)] (Mapa, 1950; Mapa, 1957); Buckley, Dec. year? (Saunders & Salvin, 1896, Cat. Birds Brit. Mus., **25**, p. 190, as "Colta"); Festa, 29 Nov. 1896 (Chapman, 1926a:731); Simons, 9 Nov. 1898 (Chubb, 1919:2); Mena, 14, 16, 18 Dec. 1929 (CM); Lévêque, 7-8 Feb., 23 Apr. 1969 (Lévêque, 1964:61); Sibley, 4 Sept. 1987 (WFVZ).

COMPAÑIA, CERRO Not located
Alt.?; collector?, 24 Sept. year? (Chapman, 1926a:198); presence of *Bartramia longicauda* no aid in determining location; possibly near Compañia [0253S/7858 (USBGN)], a suburb of Cuenca [0253S/7859 (USBGN)], Azuay.

CONAMBO; Pastaza 0152S/7647 (USBGN)
ca. 200 m, on middle Río Conambo [0207S/7603 (USBGN)], 30 km NE of Montalvo [0204S/7658 (USBGN)] (Mapa, 1950; Mapa, 1957); Olalla, date? (Orces, 1974:9); probably this is the "Lonambo" of Zimmer (1943, Amer. Mus. Novit., no. 1225, p. 21; 1943, op. cit., no. 1245, p. 14), whose specimens of *Tangara c. chrysopasta* and *T. n. nigrocincta* are indicative of the eastern tropical zone; also see Conambo, Río..

CONAMBO, RÍO; Pastaza 0207S/7603 (USBGN)
Tributary of Río Tigre [0426S/7405 (USBGN)] which rises in eastern lowlands N of Río Pastaza [0455S/7624 (USBGN)] and S of Río Curaray [0222S/7405 (USBGN)] (MHA, as "Río Cunambo"; Mapa, 1950); Loch, where?, ca. 1935-1937, Olalla, where?, Aug. 1936 (FMNH); Olalla, at 0152/7649 [probably an error for 0152S/7647, the town of Conambo], 6 Mar. 1952, 20 June 1955, 2, 23 Nov. 1960, 2, 8-10, 20 Jan. 1962 (Norton, et al., 1972:899-893; MCZ); Olalla, at Conambo, date? (Orces, 1974:9).

CONCEPCIÓN; Carchi (Chapman, 1926a:707); see La Concepción.

CONCEPCIÓN; Napo 0048S/7725 (USBGN)
ca. 300-500 m, 50 km NE of Tena [0059S/7749 (USBGN)] (Mapa, 1957; Mapa, 1974, as "Cotapino"); hacienda, with airstrip and ca. 60 acres of cultivated land, frequently cited as "Cotapino," at junction of Río Cotapino [ca. 0048S/7726 (Mapa, 1957, where shown but unnamed)] with Río Pucuno [0048S/7716 (USBGN)] (Norton, 1965:1-2); Olallas, May 1928, June-July 1929, with known dates of 4 Oct. 1928, 28 June, 7-10, 15-16, 25-26 July, 16 Oct. 1929 (FMNH, sometimes as "Catapino"; CM); Olalla, 25 Dec. 1919 (Norton, et al., 1972:899); Olallas, May, 9 July 1930, May 1936 (FMNH; Stresemann,, 1938:117); Olallas, 20 Aug. 1933 (CM); Norton, 25 June-12 July 1964 (Norton, 1965:1); see, also, Cotapino, Río.

CONCHACOTO (FMHN); see Canchacoto.

CONCORDIA (WFVZ); see La Concordia.

CONDEJA (FMNH); see Condeja, Cerro.

CONDEJA, CERRO Not located
Alt.?; Olalla, "in Oriente, two and a half days travel east of Quito [0013S/7830 (USBGN)]," Oct. 1936 (FMNH, also as "Condeja" and "Montes de Condeja"); subtropical (Hellmayr & Conover, 1942, Field Mus. Nat. Hist. Publ., Zool. Ser., **13**, pt. 1, no. 1, p. 24); presumably near Chimiplayas [not located], which is said to be three days E of Quito.

CONDEJA, MONTES DE (FMNH); see Condeja, Cerro.

CONGOMITA; Pichincha Not located
Alt.?; on western lower slopes, near Santo Domingo de los Colorados [0015S/7909 (USBGN)], Olalla, date? (FMNH, as "Sta. Dgo. Colorados, Congomita").

CONUMBO, RÍO (Hellmayr & Conover, 1949:261); see Conambo, Río.

COOPERATIVA NUEVA; Napo Not located
Alt.?; on road between Tarapoa [not located] and Shushufindi [0018S/7625 (USBGN)], McLean, 20 Feb. 1975 (USNM).

COPALILLO (Menegaux, 1908:98); see Copatillo.

COPATAZA, RÍO (de Schauensee, 1951:2); see Copotaza, Río.

COPATILLO Not located
1,000 ft [300 m], tropical forest, apparently in vicinity of Puente de Chimbo [0210S/7910 (Brown, 1941, Ann. Entom. Soc. Amer., **34**:821)] and Cayadeled [ca. 0207S/7858 (Chapman, 1926a:map)], Stolzmann and Siemiradski, date? (Berlepsch & Taczanowski, 1884:282); Menegaux, 1908:98, as "Copalillo."

COPOTAZA, RÍO; Pastaza 0207S/7727 (USBGN)
Small left-bank tributary of Río Pastaza [0455S/7624 (USBGN)] about midway between Puyo [0128S/7759 (USBGN)] and Peruvian border (Mapa, 1974); Buckley, where?, date? (Sclater & Shelley, 1891, Cat. Birds Brit. Mus., **19**, p. 417, as "Río Cotopaza"); Gómez, where?, Apr. 1939 (FMNH); de Schauensee, 1951:2, as "Río Copataza"; Hellmayr & Conover, 1949, Field Mus. Nat. Hist. Publ., Zool. Ser., **13**, pt. 1, no. 4, pp. 66, 210, as "Río Capataza"; Chapman, 1926a:353, as "Río Cotapaza."

CORARAY, RÍO (Lönnberg & Rendahl, 1922:15); see Curaray, Río.

CORAZON; Pichincha Not located
Alt.?; collector?, 20 Feb. 1918 (CM); there are several localities bearing this name in the province; may be the following.

CORAZÓN; Pichincha 0032S/7839 (USBGN)
4,791 m, peak in western Andes, 10 km WSW of Machachi [0030S/78334 (USBGN)] (MHA; Mapa, 1957); surrounded by páramo (Brown, 1941, Ann. Entom. Soc. Amer., **34**:824); Festa, Aug. 1897 (Salvadori & Festa, 1899a:19; Chapman, 1926a:731); Goodfellow and Hamilton, on western slopes at 9,000 ft [2,750 m], Sept. 1898 (Goodfellow, 1901:310; Oberholser, 1902:329, 334); Rivet, between ca. 1899-1906 (Menegaux, 1911:6); Söderström Coll., date? (Lönnberg & Rendahl, 1922:57); Goodfellow, at 13,000 ft [3,950 m], Sept. 1914 (Chubb, 1919:12, as "Gorazon," p. 269); Olallas, Nov. 1920, July 1929 (FMNH); Olallas, 17 Mar. 1930 (Stresemann, 1937b:14); Olalla, at "Montañas de Corazón," 3,000 m, 20 Mar. 1930 (MCZ).

CORAZÓN, MONTAÑAS DE (MCZ); see Corazón.

CORNEJO ASTORGA (WFVZ); see Manuel Cornejo Astorga.

COSANGA; Napo 0034S/7752 (USBGN)
ca. 1,500 m, 12 km SSE of Baeza [0027S/7753 (USBGN)], within Cordillera de Guacamayo [0043S/7755 (USBGN)], at mouth of Río Cosanga [0027S/7751 (USBGN)] (Mapa, 1950; Mapa, 1957); Goodfellow and Hamilton, at town and possibly elsewhere along the river, ca. Mar. 1899 (Goodfellow, 1901:715; Oberholser, 1902:323; Chapman, 1926a:732; Hellmayr & Conover, 1949, Field Mus. Nat. Hist. Publ., Zool. Ser., **13**, pt. 1, no. 4, p.78, as "Casanga"); Sibley, et al., 4-5 km SE, 7-16 Oct. 1988 (WFVZ, as "Cosanga, Guacamayos"); see, also, Cosanga, Río.

COSANGA, MONTES DEL (FMNH); see Cosanga, Río.

COSANGA, MONTES DEL RÍO (FMNH); see Cosanga, Río.

COSANGA, RÍO; Napo 0027S/7752 (USBGN)
Tributary of Río Quijos [0014S/7743 (USBGN)], rising on S slope of Cerro Antisana [0030S/7808 (USBGN)] and flowing SE and then N, on N side of Cordillera de Guacamayo [0043S/7755 (USBGN)], joining Río Quijos near Baeza [0027S/7753 (USBGN)] (Mapa, 1974); Goodfellow and Hamilton, possibly only at town of Cosanga [0034S/7752 (USBGN)], ca. Mar. 1899 (Goodfellow, 1901:715; Oberholser, 1902:323; Chapman, 1926a:732); Olalla, in "Montes del Río Cosanga" or "Montes del Cosanga," Sept. 1934, July, Sept. 1937 (FMNH).

COTACACHI; Imbabura 0022N/7820 (USBGN)
4,966 m, major mountain on western side of Central Valley, 10 km S of Ibarra [0021N/7807 (USBGN)] (MHA); Zusi, 13 Nov. 1976 (USNM).

COTAPAZA, RÍO (Chapman, 1926a:353); see Copotaza, Río.

COTAPINO (Norton, 1965:1); see Concepción; Napo.

COTAPINO, RÍO; Napo ca. 0048S/7726 (Mapa, 1957)
Small affluent of Río Pucuno [0048S/7716 (USBGN)], a tributary of upper Río Napo [0320S/7240 (USBGN)], which rises on southeastern side of Cordillera de Galeras [0050S/7732 (USBGN)] and NE of Tena [0059S/7749 (USBGN)] (Mapa, 1957, shown but unnamed); Olallas, at Voca [Boca] Cotapino, 11, 17 July 1925 (MCZ); Olallas, on lower river, 3 Apr. 1927 (CM); Olallas, Oct. 1927, Sept. 1929, Clarke-Macintyre Coll., at 500 m, Dec. 1937, Olalla, Dec. 1946

(FMNH); see, also, Concepción, Napo, which is the settlement at the mouth of the river.

COTOCALLAO (Chapman, 1926a:708); see Cotocollao.

COTOCALLO (Lönnberg & Rendahl, 1922:36); see Cotocollao.

COTOCOLLAO; Pichincha 0007S/7830 (USBGN)
2,784 m, 10 km N of Quito [0013S/7830 (USBGN)] (MHA; Mapa, 1957); habitat similar to that of Quito, Festa, 26 Dec. 1896 (Chapman, 1926a:708, 731, as "Cotocallao" and "Cotocallo"); Söderström Coll., date? (Lönnberg & Rendahl, 1922:36, as "Cotocallo"); Olalla, Apr. 1943 (FMNH); Barros, numerous visits, Sept. 1950-Mar. 1952 (Barros, 1953:156ff; WFVZ); Zusi, 5 km NW, 3, 5-6, 11, 16-17 Nov. 1976 (USNM); Marin, at Km 35 on Nanegalito [Nanegal Chico, 0002N/7837 (USBGN)]/Cotocollao road, at 3,300 m, 6 Dec. 1991 (WFVZ).

COTOPAXI; Cotopaxi 0040S/7826 (USBGN)
5,897 m, snow-capped mountain at junction of Pichincha, Napo, and Cotopaxi provinces, 50 km SSE of Quito [0013S/7830 (USBGN)] (MHA; Mapa, 1957); lava and volcanic ash, scored at intervals by steep-sided ravines, a few stunted trees in lower ravines, shrubs at 14,500 ft [4,425 m], tall wiry grass on more level areas between ravines, no vegetation above 15,000 ft [4,575 m], snowline occasionally to 14,000 ft [4,275 m], Mar.-May wet season (Corley Smith, 1969:17-18); Goodfellow and Hamilton, near Cotopaxi, ca. 1898-1899 (Goodfellow, 1902:224); Rivet, ca. 1898-1899 (Simon, 1907:17); Betantt, for Rosenberg Coll., May 1925, Olallas, Aug. 1930, Feb. 1936 (FMNH); Corley Smith, 1966-1967 (Corley Smith, 1969:22); Zusi, 26 Oct. 1976 (USNM); Leck, at lake at 4,250 m, 19 Mar. 1978 (Leck, 1980:313); de Vries, at 4,000 m, 1979-1982 (de Vries, 1985); Krabbe, on páramo S of Cotopaxi, Jan. 1991 (Krabbe, 1992b:169); also see Cajas, Laguna.

COTOPAXI, PROVINCIA DEL 0055S/7855 (USBGN)
West-central Ecuador; bounded on E by Napo, on S by Tungurahua and Bolívar, on SW by Los Ríos, and on NW and N by Pichincha; formerly Provincia de Léon.

COTOPAZA, RÍO (Sclater & Salvin, 1891:417); see Copotaza, Río.

COTORAL OCCIDENTE Not located
Alt.?; Olallas, Feb. 1929 (FMNH); probably a general term referring to the eastern region of the country.

COTUCUÍ Not located
Alt.?; collector?, date? (de Schauensee, 1953:30); source of *Pipra isidorei* of tropical eastern Ecuador; possibly this is Cordillera Cutucú Oriental [0240S/7751 (USBGN)], Zamora-Chinchipe.

COWLEY, ISLA; Galápagos 0022S/9058 (USBGN)

COYUJA (Mapa, 1974); see Cuyujúa.

CRISTAL; Esmeraldas ca. 0048N/7827 (Evans, 1988:24)
ca. 1,100 m, settlement ca. 10-12 km S of Lita [0052N/7828 (USBGN)] and somewhat higher, in extreme northeastern Esmeraldas, on S side of Río Mira [0136N/7901 (USBGN)], Ross, et al., Aug. 1986 (Evans, 1988:20, 24).

CROSSMAN, ISLAS; Galápagos 0052S/9048 (USBGN)
Also = Los Hermanos.

CRUZPAMPA; Loja 0410S/8001 (USBGN)
1,000 m (MCZ); on lower slope of spur, on Río Celica [0411S/8011 (USBGN)], 10 km SW of Celica [0407S/7959 (USBGN)] (Mapa, 1950; Mapa, 1957); Norton, June, 10-13 July 1965 (MCZ); Dominguillo is presumably an earlier name, which see; Simons, at Dominguillo, 11 July 1899 (Chubb, 1919:3, as "Dormugillo, El Oro").

CUAMAYACU, RÍO; Napo Not located
A tributary of Río Aguarico [0059S/7511 (USBGN)], a major left-bank tributary of Río Napo [0320S/7240 (USBGN)] which rises on slopes of northern Ecuador, Olallas, July 1929 (FMNH).

CUAQUE (Chapman, 1926a:676); see Coaque.

CUAQUE, RÍO (Parker & Carr, 1992:22); see Coaque, Río.

CUCHIBAMBA (Salvadori & Festa, 1900:17); see Cuchipamba.

CUCHIPAMBA; Azuay 0303S/7847 (USBGN)
Alt.?; near Sígsig [0301S/7845 (USBGN)] in central eastern part of

province; does not appear on maps available to us; Festa, Nov. 1895? (Salvadori & Festa, 1899a:29, as "Cuchipamba (San José)"; 1900:17, as "Cuchibamba"; Chapman, 1926a:731).

CUENCA; Azuay 0253S/7859 (USBGN)
2,535 m, major city in south-central highlands, arid temperate zone, extensively cultivated, no virgin forest, well covered by trails to nearby páramos (Brown, 1941, Ann. Entom. Soc. Amer., **34**:824-825); Fraser, Oct.-Nov. 1857, Mar.-May 1858 (Sclater, 1859b:450); Baron, Apr. 1893, between Cuenca and Chimborazo [0128S/7848 (USBGN)], Apr., Sept. 1893, and at 10,000 ft [3,050 m], on road to Naranjal [0242S/7937 (USBGN)], probably closer to Naranjal, Dec. 1893? (Hartert & Hartert, 1894:46); Baron, 1895 (FMNH); Festa, Oct. 1895, in vicinity, 28 July-25 Nov. 1896 (Salvadori & Festa, 1899a:1; Chapman, 1926a:731); Simons, at 2,200 m, 23 Apr. 1899 (Chubb, 1919:3); Rivet, in province, between ca., 1899-1906 (Menegaux, 1911:98; Chapman, 1926a:733); Olalla, 1-2 Feb. 1932 (Berlioz, 1932:620); Ortiz-Crespo, 20 Oct. 1968 (Ortiz-Crespo, 1974:347); Bleitz Coll., May 1969, 21 Sept., 30 Oct., 20 Nov. 1970, nearby, 19 May 1968 (WFVZ).

CUICOCHA, LAGUNA DE; Imbabura 0018N/7822 (USBGN)
ca. 3,500 m, large lake in extreme northwestern part of country 12 km NW of Otavalo [0014N/7816 (USBGN)] (MHA; Mapa, 1950); Ortiz-Crespo, 18 Feb. 1969 (Ortiz-Crespo, 1974:347); Rylander, 10-16 Aug. 1972 (Rylander, 1974); Rylander (loc. cit.) describes the lake as being 18 km NW of Quito [0013S/7830 (USBGN)], but this is erroneous; Hilsenbeck, Jan., Mar. 1974, May 1975, Jan. 1976 (Hilsenbeck, 1979).

CULEBRILLAS; Azuay (Salvadori & Festa, 1899b:19); see Paredones.

CULEBRILLAS; Monona-Santiago (CM); see Culebrillas de Sangay.

CULEBRILLAS, LAGO DE (Salvadori & Festa, 1900:41); see Paredones.

CULEBRILLAS DE SANGAY; Morona-Santiago Not located
ca. 11,000 ft [3,350 m], valley through which flows Río Culebrillas [not located], possibly a headwater of Río Sangay [ca. 0150S/7805 (MHA)], on NW side of Volcán Sangay [0200S/7820 (USBGN)], ca. 25 mi [40 km] from cone, humid temperate zone, floor a vast water-soaked swamp of *paja* grass with small streams winding through, fairly heavy growth of low gnarled trees on lower slopes, Moore,

July-Aug. 1929, with known specific dates of 19 July, 4-5, 8 Aug. (Moore, 1934a:1, as "Culebrillas Valley"; 1934b:147, as "Culebrillas Valley"; CM, as "Culebrillas"); Olallas, 7 Aug. 1929, Mena, 15-16, 22-23 July 1931, 15-16, 19, 21, 23, 29 July, 18-19, 21, 25-26 Sept. 1932 (CM, as "Culebrillas"); collector?, July-Aug. 1935 (Berlioz, 1937b:115); Ortiz-Crespo (in litt.) says that "culebrillas" is a term describing a valley or meadow with a small, meandering stream passing through it.

CULEBRILLAS VALLEY (Moore, 1934a:1); see Culebrillas de Sangay.

CULPEPPER, ISLA; Galápagos 0139S/9200 (USBGN)
Also = Isla Darwin.

CUMBARATZA; Zamora-Chinchipe ca. 0356S/7851 (Mapa, 1974)
950 m (MCZ); village on Río Cumbaratza [0357S/7850 (USBGN)], 20 km NE of Zamora [0404S/7858 (USBGN)] (Mapa, 1974); Norton obtained specimens from a hunter who had visited the site on 14, 16-23, 27 Aug. 1965 (MCZ).

CUMBAYÁ; Pichincha 0012S/7826 (USBGN)
8,000 ft [2,450 m], temperate zone (Chapman, 1926a:703); 8 km E of Quito [0013S/7830 (USBGN)] (Mapa, 1950); Rivet, ca. 1898-1899 (Simon, 1907:17); Rhoads, 2 May 1911 (Stone, 1928, Repts. Princeton Univ. Exped. Patagonia, 1896-1899, Vol. II, Pt. V, p. 730); Rosenberg Coll., Feb. 1900 (FMNH); Rhoads and Lemmon, 26 May-2 June 1911 (Chapman, 1926a:13); Henn, 28-29 Jan. 1914 (CM); Söderström Coll., date?, and nearby, date? (Lönnberg & Rendahl, 1922:17, 29); Mena, for Rosenberg Coll., Apr., and along "Río Cunbaza," 10 Apr., in "Balle [Valle] de Cunbaya," 11 Apr. 1927 (FMNH; MCZ; Moore Coll.); Gómez, in "valley," Feb. 1940 (FMNH); Koepcke, 1963, Beitr. Neotrop. Fauna, 3:10, as "Cumbay-Tal"; Chapman, 1919, Proc. Biol. Soc. Washington, 32:267, as "Valle de Cumbaza, Chimborazo."

CUMBAY-TAL (Koepcke, 1963:10); see Cumbayá.

CUMBAZA, VALLE DE (Chapman, 1919:267); see Cumbayá.

CUMCHUMBLEZA, RÍO (Zimmer, 1953:5); see Chuchumbleza, Río.

CUNAMBO, RÍO (MHA); see Conambo, Río.

CUNBAYA, BALLE (FMNH); see Cumbayá.

CUNBAZA, RÍO (FMNH); see Cumbayá.

CURARACHA (Chapman, 1926a:708); see Cucaracha, Tumbes; Peru.

CURARAY, RÍO; Pastaza 0222S/7405 (USBGN)
Long right bank tributary of Río Napo [0320S/7640 (USBGN)] with headwaters in foothills of Andes, flowing SE, entering Peru near Cononaco [0133S/7536 (USBGN)] (MHA); location of collecting points uncertain; Norton, et al. (1972:891-893, as "Río Curary") place Mena, 13 Sept. 1961, at 0115S/7730; other collections may have originated at settlement of Curaray [ca. 0122S/7655 (Mapa, 1974)], or more likely from river mouth in Peru; Olallas at *Boca,* or *Voca*, Curaray, 1924-1926, Mena, on river [where?], 5 Jan. 1958, 14 Nov. 1961 (MCZ); Söderström Coll., from "near river Curaray, 1000 f [300 m]" and "middle part of river Coraray 100 f [31 m]," dates? (Lönnberg & Rendahl, 1922:15, sometimes as "Río Coraray"); Spillmann, at Aucayacu [0135S/7537 (USBGN)], 25 Nov., 11 Dec. 1930 (Stresemann, 1937b:14); Olalla, Dec. 1930, Mar. 1931 (FMNH); Gilliard, 1941, Bull. Amer. Mus. Nat. Hist., 77:459, as "Voco, Curaray"; Carriker, 1930:368, as "Voca."

CURARY, RÍO (Norton, et al., 1972:890); see Curaray, Río.

CURIURCU; Napo ? Not located
Alt.?; on eastern slope, above Baeza [0027S/7753 (USBGN)], collector?, date? (Oberholser, 1902:334); this could be the Buckley locality Churuco [not located], which see.

CURONDELET (FMNH); see Carondelet.

CURTINCAPA; El Oro 0344S/7933 (USBGN)
ca. 1,200 m, in eastern El Oro on lower slopes of mountains, 10 km SE of Zaruma [0341S/7937 (USBGN)] (Mapa, 1957); Simons, 12 June 1899 (Chubb, 1919:3); see, also, Hacienda de Curtincapa.

CURUBE; Azuay Not located
2,500 m, Simons, 13 May 1899 (Chubb, 1919:3); possibly Cumbe [0307S/7901 (USBGN)] was intended, as this is on the route taken by Simons from from Cuenca [0253S/7859 (USBGN)] to Loja [0400S/7913 (USBGN)].

CURUBÍ Not located
Alt.?; Clavery Coll., date? (Berlioz, 1927:356); probably = Río Cumbi [0009N/7821 (USBGN), *olim* Río Curuví], Imbabura; presence of such species as *Glaucidium jardinii,* which is an upper altitude form, strengthens belief that this is Río Cumbi.

CUTSASEME; see Guilea and Susensa.

CUTERVO; Morona-Santiago Not located
Alt.?; near Macas [0219S/7807 (USBGN), collector?, date? (Chapman, 1926a:332); possibly an error for Cutervo [0622S/7851 (USBGN)], Cajamarca, Peru.

CUTUCÚ (Zimmer, 1943:33); see Cutucú Oriental, Cordillera.

CUTUCÚ, CORDILLERA (MHA); see Cutucú Occidental, Cordillera.

CUTUCÚ, CORDILLERA DE (Mapa, 1956); see Cutucú Occidental, Cordillera; and Cutucú Oriental, Cordillera.

CUTUCÚ, VIEJA CORDILLERA DE (Mapa, 1974); see Cutucú Occidental, Cordillera; and Cutucú Oriental, Cordillera.

CUTUCÚ ORIENTE (MCZ); see Cutucú Oriental, Cordillera.

CUTUCÚ OCCIDENTAL, CORDILLERA; Morona-Santiago 0245S/7805 (USBGN)
2,000 m, W of Cordillera Cutucú Oriental [0240S/7751 (USBGN)], the longer and higher of the two ranges of foothills running N-S parallel to Andes, with its northern end to the E of Macas [0219S/7807 (USBGN)] (MHA, as "Cordillera Cutucú"; Mapa, 1950; Mapa, 1956, as "Cordillera de Cutucú"; Mapa, 1974, as "Vieja Cordillera de Cutcucú"); frequently in the ornithological literature, as on some maps, the two ranges are not differentiated, therefore the allocation of some of the following records may be erroneous; Feyer, "in Macas region," date? (USNM); Ridgely, et al., on lower W slope E of Macas, 2-5 Aug. 1979 (Robbins, et al., 1987:243); Krabbe, on W slope and at crest E of Logroño [ca. 0237S/7812 (Mapa, 1974)], Apr. 1984 (Robbins, et al., 1987:243); Robbins, et al., on and near trail from Logroño to Yaupi [ca. 0150S/7755 (Mapa, 1974)], at Camp 1 [ca. 0239S/7808 (Robbins, et al., 1987:244)] from 1,000-1,325 m, 13-22 June 1984, at Yapitya [or Camp 2, not located] from 1,500-2,100 m, 22 June-3 July 1984, at Camp 3 [not located]

from 1,950-2,100 m, 3-10 July 1984, and at Camp 4 [ca. 0243S/7805 (Robbins, et al, 1987:245)] from 2,100-2,300 m, 10-17 July 1984 (Robbins, et al., 1987:244-245); see, also, Cutucú Oriental, Cordillera; Logroño; and Yaupi.

CUTUCÚ ORIENTAL, CORDILLERA; Morona-Santiago 0240S/7751 (USBGN)
ca. 1,500 m, E of Cordillera Cutucú Occidental [0245S/7805 (USBGN)], the shorter and lower of the two ranges of foothills running N-S parallel to Andes, close to Miazal [0236S/7747 (USBGN)] (MHA, as "Cordillera de Yaupé"; Mapa, 1950; Mapa, 1956, as "Cordillera de Cutucú"; Mapa, 1974, as "Vieja Cordillera de Cutucú"); frequently in the ornithological literature, as on some maps, the two ranges are not differentiated and the allocation of some of the following records may be erroneous; Gómez, Oct. 1937 (MCZ, as "Cutucú Oriente"; USNM, as "Cututcu"), Apr. 1939, and Mar. 1940 (FMNH); Gómez, in subtropical zone, ca. 2,000 m [?], 2 Dec. 1940 (Orces, 1944:109); Gómez, 2,000 m [?], 28 Dec. 1940 (Zimmer, 1932, Amer. Mus. Novit., no. 523, p. 10, as "Cutucuo"; 1943:33, as "Cutucú"); Marin and Sibley, on eastern side at Tayuntza [0243S/7752 (Kiff, et al., 1989:25)], 29 July-23 Aug. 1987 (Kiff, et al., 1989:25); also see Cutucú Occidental, Cordillera.

CUTUCUO (Zimmer, 1932:10); see Cutucú Oriental, Cordillera.

CUTUTCU (USNM); see Cutucú Oriental, Cordillera.

CUYABENO; Napo 0016S/7553 (USBGN)
230 m, northeastern Napo, on middle Río Aguarico [0059S/7511 (USBGN)], 90 km NW of Nuevo Rocafuerte [0056S/7524 (USBGN)] (Mapa, 1957; Mapa, 1974); site of Reserva de Producción Faunística, pristine forest, observers?, dates? (Ortiz-Crespo & Carrión, 1991:26).

CUYABENO, RESERVA DE PRODUCCIÓN FAUNÍSTICA; see Cuyabeno.

CUYUCO; Napo Not located
5,500 ft [1,675 m], on lower eastern slope, below Baeza [0027S/7753 (USBGN)], Söderström Coll., date? (Lönnberg & Rendahl, 1922:87); almost certainly this should be Cuyujúa [0024S/7802 (USBGN)].

CUYUJA (Norton, 1965:2); see Cuyujúa.

CUYUJÚA; Napo 0024S/7802 (USBGN)
2,400 m, on eastern slope, on road to Napo region, 10 km E of Papallacta [0022S/7808 (USBGN)], forested [1964] (Mapa, 1950; Mapa, 1974, as "Coyuja"; Norton, 1965:2, as "Cuyuja"); Olallas, 19 June 1928 (Moore, 1934c:3); Olallas, 22 May 1929 (FMNH; CM); Moore, Sept. or Oct. 1929 (Moore, 1934d:104); Olalla, 9 July 1930 (Stresemann, 1938:118); Clarke-Macintyre Coll., 23 May 1936 (MCZ, as "Cuyuyá"); Olalla, Aug. 1945 (FMNH); Olalla, on road to Baeza [0027S/7753 (USBGN)], 6 Dec. 1962, Estrella, 24-28 Nov. 1963, Norton, 13 June 1964 (MCZ); Olalla, Nov. 1963 (MCZ); Norton and Chandler, 19 June 1964 (Norton, 1965:2); also see Cuyuco.

CUYUYÁ (MCZ); see Cuyujúa.

DANTE, RÍO (Simon, 1907:16); see Daule, Río.

DAPHNE, ISLAS; Galápagos 0025S/9021 (USBGN)

DARWIN, ISLAS; Galápagos 0139N/9200 (USBGN)
Also = Isla Culpepper.

DAULE; Guayas 0150S/7956 (USBGN)
ca. sea level, 35 km N of Guayaquil [0210S/7950 (USBGN)] on left bank of Río Daule [0210S/7952 (USBGN)] (MHA; Mapa, 1950); Festa, nearby on Río Daule, Dec. 1897 (Salvadori & Festa, 1900:49; Chapman, 19261:732); Richardson, 20-30 Apr. 1913 (Chapman, 1926a:732); Lévêque, 23 July 1961, 18 Aug. 1962, S of Daule, 3 Nov. 1960 (Lévêque, 1964:61); Leck, nearby, 5 July 1974 (Leck, 1980:312).

DAULE, RÍO; Guayas 0210S/7952 (USBGN)
Rises in flatlands of interior northernmost Guayas and at Guayaquil joins the Río Babahoyo [0210S/7952 (USBGN)] to form Río Guayas

[0236S/7952 (USBGN)] (MHA; Mapa, 1974); Illingworth, at Balzar [0122S/7954 (USBGN)], prior to 1887 (Sclater, 1918, Bull. Brit. Ornith. Club, 38:45, as "Balzar mountains"); Festa, near Balzar, near Daule [0150S/7956 (USBGN)], and on "bank of the river," 9 Oct.-Dec. 1897 (Salvadori & Festa, 1899b:30; 1900:43, 49; Chapman, 1926a:732); Rivet, at La Soledad [Isidro Ayora, 0153S/8008 (USBGN)] and Balzar, ca. 1898-1899 (Simon, 1907:16, as "Río Dante"); Richardson, at Daule, 20-30 Apr. 1913 (Chapman, 1926a:732); Olalla, at Daule, Oct. 1944, at Pascuales [0205S/7956 (USBGN)], Oct. 1945 (FMNH); Lévêque, between Balzar and Santa Lucía [0143S/7958 (USBGN)], 23 July, at Daule, 23 July 1961, 18 Aug. 1962, and S of Daule, 3 Nov. 1960, at La Lojas [0159S/8001 (USBGN)], 18 Mar. 1962 (Lévêque, 1964:61); collector?, at Maspasingue [0209S/7952 (USBGN)], 21-23 Jan. 1963 (MCZ); Olalla, at Balzar, 18 Oct. 1963 (MCZ).

DERRUMBE COLORADO; Tungurahua Not located
Alt.?; on eastern slope near Baños [0124S/7825 (USBGN)], Clarke-Macintyre Coll., 1-2 Dec. 1937 (MCZ).

DOMINGUILLO; Loja 0410S/8001 (USBGN)
1,000 m (MCZ); this name does not appear on our maps but is presumably an earlier name for Cruzpampa [0410S/8001 (USBGN)], which bears the same coordinates in USBGN; Simons, one day's travel from Guachanamá [0402S/7953 (USBGN)], 11 July 1899 (Chubb, 1919:3, as "Dormugillo, El Oro"); also see Cruzpamba.

DOMONO, BOSQUE; Morona-Santiago 0207S/7808 (King, 1991:46)
1,100 m, 20 km N of Macas [0219S/7807 (USBGN)], extreme southeastern corner of Sangay National Park [not located], regenerated subtropical forest, King, 24-27 July, 21-25 Aug. 1987 (King, 1991); not found on our maps.

DORADO, MOUNT (Moore, 1934b:152); see Sangay, Volcán.

DORADO VALLEY (Moore, 1934b:145); see Sangay, Volcán.

DORMUGILLO; El Oro (Chubb, 1919:3); see Dominguillo.

DUNCAN ISLAND; Galápagos 0036S/9040 (USBGN)
Also = Isla Pinzón.

DURÁN (Lévêque, 1964:610); see Alfaro.

DURANGA, RÍO (Fjeldså, et al., 1987:29); see Durango, Río.

DURANGO, RÍO; Esmeraldas ? Not located
Rosenberg Coll., at 3,500 ft [1,075 m], 17 May 1901 (Hartert, 1902:610); Chapman (1926a:544) cites the type locality of *Lathria unirufus castaneotinctus* Hartert as "Río Durango, Paramba [Hacienda Paramba, 0049N/7821 (USBGN)], n. w. Ec.," but the reason for associating Paramba, which is on Río Mira [0136N/7901 (USBGN)] in Imbabura, with Río Durango is unknown; possibly Río Durango is a tributary of Río Mira, but Cory & Hellmayr (1924, Field Mus. Nat Hist. Publ., Zool. Ser., 13, pt. 2, p. 325) record *Pittasoma r. rufopileatum,* a tropical form of the northwestern lowlands, from the river, which they place in Esmeraldas, making it difficult to reconcile the two sets of information; Fjeldså, et al., 1987:29, as "Río Duranga."

ECUASAL, SALINAS DE; Guayas ca. 0215S/8056
Alt.?; saltworks on southern coast of Península de Santa Elena [0215S/8050 (USBGN)] ca. 8 km SE of Salinas [0213S/8058 (USBGN)], Ridgely and Wilcove, 13 July, Greenfield, 20 Aug. 1978, Finch, et al., 8, 12-13 Feb. 1980 (Ridgely, 1980:241, 243, 244, as "Equasal Lagoons"); S of Ayangü [0159S/8046 (USBGN)], observers, dates? (Ortiz-Crespo & Carrión, 1991:26); Carrión, 21-22, 25 Nov. 1989 (WFVZ); a coined name; seems to be near Muey [Presidente Tamayo, 0215S/8056 (USBGN)].

EDÉN; Napo 0031S/7605 (USBGN)
228 m, on right bank of Río Napo [0302S/7240 (USBGN)], 90 km above Nuevo Rocafuerte [0056S/7524 (USBGN)] and Peruvian border (Mapa, 1957; Mapa, 1974); Olalla, 27 Nov., 1, 4, 7, 10, 17 Dec. 1964 (Orces, 1974:9, 10, as "El Edén"; MCZ, as "El Edén"; Ridgely, 1980:248, as "El Eden").

EDÉN, ISLA; Galápagos 0034S/9031 (USBGN)

EL ALTAR (Sclater, 1859:549); see Altar, Cerro.

EL ANGEL, PÁRAMO (Krabbe, 1992b:169); see Ángel, Páramos del.

EL BARRO (Mapa, 1957); see Barro.

EL BATÁN; Pichincha Not located
Alt.?; on outskirts of Quito [0013S/7830 (USBGN)], on Quebrada Ashitahuaycu [Quebrada Ashitahuaico, 0010S/7828 (USBGN)], Carrión, 28 Mar., 15 Oct. 1989, 12 Mar., Corado and Gardner, 3 Apr. 1991 (WFVZ, also as "Batán" and Quebrada "Asmitahuaycu").

EL BOSQUE; El Oro 0339S/7938 (USBGN)
Alt.?; southern interior El Oro a short distance N of Zaruma [0341S/7937 (USBGN)] and close to Malvas [0340S/7939 (USBGN)]; does not appear on available maps; Gómez, 15-16 July 1939 (USNM).

EL CARMEN; Manabí ca. 0010S/7928 (Mapa, 1974)
Alt.?; ca. 35 km WSW of Santo Domingo de los Colorados [0015S/7909 (USBGN)] in northeastern corner of Manabí (Mapa, 1974); Marin, 10 km NW, at ca. 350 m, 20 Nov. 1991, Marin, 12 km NW, near Maicito [ca. 0010S/7935 (Marin, in litt.)], 18 July 1988, Marin and Schmitt, 29-30 June 1989, Marin, 12 km W, at ca. 300-350 m, 19-20 Nov. 1991, Marin, 20 km NW, 29 June 1989 (WFVZ), Marin, 47 km NW [=Filo de Monos, ca. 0000/7955 (Marin, in litt.)], 12, 15 July 1988 (LACMNH; Marin, in litt.); reference to Maicito made irregularly, although all collecting sites, with the exception of Filo de Monos, must be in the vicinity of Maicito; also see Filo de Monos.

EL CASTILLO; Pichincha Not located
Alt.?; on western slope near Mindo [0002S/7848 (USBGN)], Olallas, 11-12 June, 20 Sept. 1931 (Stresemann, 1938:118, as "El Castillo (Mindo)"); Moore Coll.; CM, as "Mindo (El Castillo)"); Olalla, 1950 (FMNH).

EL CHACO; Napo 0023S/7749 (USBGN)
1,615 m, on lower eastern slope, 20 km NNE of Baeza [0027S/7753 (USBGN)], on Río Quijos [0014S/7743 (USBGN)] (MHA; Mapa, 1950; Mapa, 1957); d'Espinay Coll., Mar. 1922 (Berlioz, 1928b:439,

442, as "Chaco"); Spillmann, below El Chaco on Río Oyacachi [0022S/7747 (USBGN)], 4 Nov. 1931 (Stresemann, 1938:117).

EL CHAUPI; Pichincha 0036S/7838 (USBGN)
3,343 m, town in central highlands, 10 km NE of snow-capped Illiniza [0040S/7842 (USBGN)] and 12 km SW of Machachi [0030S/7834 (USBGN)] (Mapa, 1957; Mapa, 1970, as "Chaupi"); Brown (1941, Ann. Entom. Soc. Amer., **34**:821, as "Chaupi") calls this a group of "hills" between Illiniza and Tiupullo [Tiopullo, 0039S/7838 (USBGN)]; Festa, at 3,000 m, 16-17 June 1897 (Salvadori & Festa, 1899a:2, as "Chaupi"; Chapman, 1926a:731, as "Chaupi"); Gómez, 26 Aug. 1939 (USNM, as "Chaupi").

EL CHIRAL; El Oro ca. 0338S/7941 (Chapman, 1926a:map)
5,350 m [1,625 m], campsite NW of Zaruma [0341S/7937 (USBGN)], in heavy subtropical forest well up on steep slope of western cordillera, vegetation dense, trails few, collections from ca. 4,000-6,400 ft [1,225-1,950 m], Cherrie and Anthony, ca. 1920 (Chapman, 1926a:708).

EL CINTO; Pichincha Not located
Alt.?; collector?, date? (Phelps & Gilliard, 1940, Amer. Mus. Novit., no. 1100, p. 8; Zimmer, 1951, op. cit., no.1540, p. 10); presence of *Aglaeactis cupripennis* and *Atlapetes rufinucha* indicative of temperate zone; may refer to Río El Cinto [0015S/7844 (USBGN)], SW of Quito [0013S/7830 (USBGN)].

EL CUIRAL; El Oro Not located
Alt.?; collector?, date? (Olrog, 1967, Acta Zool. Lilloana, **22**:250); probably a misspelling of El Chiral [ca. 0338S/7941 (Chapman, 1926a:map)], near Zaruma [0341S/7937 (USBGN)].

EL DESTINO; Manabí Not located
300 ft [900 m] (de Schauensee, 1952, Caldasia, **5**:1129); collector?, date? (Chapman, 1926a:256, p. 469, as "El Destino, Manaví," p. 603, as "Cauque El Destino"); apparently near Coaque [0000/8006 (USBGN)] or Río Coaque [0001N/8006 (USBGN)]; all specimens indicative of coastal plain.

EL DORADO VALLEY (Moore, 1940:251); see Sangay, Volcán.

EL EDÉN (MCZ); see Edén.

EL EGIDO; Pichincha Not located
Alt.?; plain N of Quito [0013S/7830 (USBGN)], Goodfellow and Hamilton, ca. Jan. 1899 (Goodfellow, 1901:474); now spelled El Ejido and a park within the city of Quito (Ortiz-Crespo, in litt.).

EL EJIDO; see El Egido.

EL EMPALME; Guayas ca. 0102S/7935 (Mapa, 1974)
ca. 50 m, in extreme northern Guayas, 20 km W of Quevedo [0102S/7929 (USBGN)] (Mapa, 1974, also as "Velasco Ibarra"); collector?, date? (Orces, 1974:10).

EL EMPALME; Loja ca. ? 0415S/7950 (MHA)
ca. 300 m (Mapa, 1974); probably in southwestern Loja where road from Celica [0407S/7959 (USBGN)] joins [*empalme*] PanAmerican Highway, between Macará [0423S/7957 (USBGN)] and Catacocha [0404S/7938 (USBGN)], in Rio Catamayo [0418S/8009 (USBGN)] valley, dry, brushy (Paynter, pers. obser.); Markl, 1, 4 Apr. 1961 (Basel Mus.); Markl's specimens are typical of this area.

ELFIN FOREST CAMP (Robbins, et al., 1987:245); see Camp 4.

EL GUARUMO (WFVZ); see Guaramo

EL INCA; Pichincha ca. 0009S/7828 (Hoja CT ÑIII-B1)
ca. 2,800 m, in Central Valley N of Quito [0013S/7830 (USBGN)], ca. 2.5 km W of Zámbiza [0009S/7826 (USBGN)] (Hoja CT ÑIII-B1); Söderström Coll., date? (Lönnberg & Rendahl, 1922:47, as "Inga [Inca] road to Zambiza"); perhaps this refers to an Incan road rather than to the road between El Inca and Zámbiza, but even if it is the former it is still near Zámbiza.

EL JUNO Not located
Alt.?; eastern Ecuador, collector?, date? (Hellmayr, 1937, Field Mus. Nat. Hist. Publ., Zool. Ser., **13**, pt. 10, p.39).

EL LORETO (Olson, 1973:498); see Loreto.

EL MIRADOR (Brown, 1941:836); see Mirador; Tungurahua.

EL MORRO; Guayas 0239S/8019 (USBGN)
ca. sea level, 65 km SW of Guayaquil [0210S/7950 (USBGN)] and 7

km E of coastal Playas [0238S/8023 (USBGN)] (MHA, as "Morro"); Carrión, 19 Nov. 1989 (WFVZ).

EL MUERTO (Murphy, 1936:29); see Santa Clara, Isla.

EL NARANJAL (de Schauensee, 1953:43); see Naranjal; Guayas.

EL ORO, PROVINCIA DE 0330S/7950 (USBGN)
Southwestern Ecuador; bounded on SW by Peru, on W by the Pacific, on N by Azuay and Guayas, and on E and S by Loja.

EL PALMAR; Tungurahua 0123S/7818 (USBGN)
Alt.?; on slopes of Volcán Tungurahua [0127S/7817 (USBGN)], a short distance E of Baños [0124S/7825 (USBGN)], Clarke-Macintyre Coll., 10, 13 Dec. 1937 (MCZ); not found on maps available to us.

EL PAPAYO; Los Ríos Not located
Alt.?; near San Juan [0138S/7932 (USBGN)], 7 km SW of Puebloviejo [0134S/7930 (USBGN)], McLean, 21-22 Jan. 1975 (USNM).

EL PASO; see Hacienda El Paso.

EL PELADO; Carchi ca. 0044N/7755 (MHA)
4,151 m, peak in western cordillera, 25 km SW of Tulcán [0048N/7743 (USBGN)] (MHA; Mapa, 1957); Rivet, Jan. 1903 (Menegaux, 1911:10).

EL PLACER; Chimborazo Not located
2,600 ft [800 m], near Cayandeled [ca. 0207S/7859 (Chapman, 1926a:map)], on western slope (Chapman, 1926a:708); Stolzmann and Siemiradski, between 2,600-2,800 ft [800-850 m], ca. Jan.-Mar. 1883 (Berlepsch & Taczanowski, 1884:287, as "Placer," pp. 298, 307); may be equivalent to Hacienda El Placer [0139S/7845 (USBGN)].

EL PLACER; Esmeraldas 0051N/7834 (Evans, 1988:24)
ca. 650 m, on railroad ca. 13 km E of Ventanas [0059N/7840 (USBGN)] and 8 km W of Alto Tambo [0056N/7832 (USBGN)] on eastern edge of coastal plain, extreme northeastern Esmeraldas, Ross, et al., Aug. 1986 (Evans, 1988:17, 22); not shown on our maps; very humid, tall forest being cleared [1983], local hunter, 26 Oct. 1983, and Krabbe, Mar. 1979, Oct. 1983, July 1984 (Fjeldså, et al.,

1987:29); Greenfield, 5 Mar. 1980 (Ridgely, 1980:247); Prum and Johnson, 27 June-28 July 1985 (Prum & Johnson, 1987:522); Robbins, et al., 28-31 July, 1, 4-6, 8-10, 13, 16 Aug. 1987 (Robbins & Glenn, 1988; USNM).

EL PLACER; Morona-Santiago Not located
2,800-3,100 m, abandoned site on upper Río Palora [0151S/7749 (USBGN)], in "Sangay National Park," a few kilometers above Planchas [not located], Ridgely and O'Neill, 11-15 Oct. 1976 (Ridgely, 1980:245, 247).

EL POROTILLO SAN JOSÉ; Loja Not located
Alt.?; Olallas, 17 Feb., 4, 6 Mar. 1936 (CM); this is probably San José [0414S/7915 (USBGN)] S of Loja [0400S/7913 (USBGN)] and near Nudo de Cajanuma [0405S/7912 (USBGN)], where the Olallas were in mid-March; it probably should be El *Portillo* San José.

EL PORTETE (de Schauensee, 1951:9); see Portete

EL PORTETE DE CAJANUMA (Moore Coll.); see Cajanuma, Nudo de.

EL PORTETE DE TARQUI (Berlioz, 1932); see Portete.

EL PORVENIR (Brown, 1941:842); see Hacienda Porvenir.

EL PUN; Carchi 0040N/7737 (USBGN)
2,600-2,800 m, on Ecuador/Colombia border, SW of Tulcán [0048/7743 (USBGN)] (Salvadori & Festa, 1899a:1-2, as "Pun"); Festa, 1-22 Feb. 1897 (Chapman, 1926a:731, as "Pun"); Chubb, 1919:7, as "Puno."

EL PUYO (Lévêque, 1964:58); see Puyo.

EL QUINCHE (WFVZ); Quinche.

EL ROSARIO; Pichincha (Chapman, 1926a:709); see Hacienda Rosario.

EL ROSARIO; Tungurahua ca. 0124S/7813 (Brown, 1941:834)
ca. 1,400 m, old hacienda, also known as Hacienda Tungurahua, E of Baños [0124S/7825 (USBGN)] near mouth of Río Mapoto [0125S/7815 (USBGN)], a very small tributary of Río Pastaza [0455S/7624 (USBGN)], Buckley, date? (Brown, 1941, Ann. Entom. Soc. Amer., **34**:834, 844).

EL TAMBO; Cañar 0230S/7854 (USBGN)
2,979 m, on western side of central highlands, on road and railroad 7 km NNE of Cañar [0233S/7856 (USBGN)] (MHA, as "Tambo"; Mapa, 1957); Clarke-Macintyre Coll., Mar. 1938, Gómez, Jan. 1939 (FMNH); Bleitz Coll., 76 km from Guayaquil [0210S/7950 (USBGN)], on Durán [Alfaro, 0212S/7950 (USBGN)]/El Tambo highway, 26, 29 June 1970 (WFVZ).

EL TOPO (Cory & Hellmayr, 1924:221); see El Topo.

EL TROJE; Carchi Not located
3,050 m, in northeastern corner of Carchi, SE of Tulcán [0048N/7743 (USBGN)], on flanks of Cerro Mirador [0036N/7739 (USBGN)], near Huaca [0038N/7744 (USBGN)], Festa, 29 Jan., 24 Feb.-1 Mar., 10-16 Mar., [Sept.?] 1897 (Salvadori & Festa, 1899a:10ff, as "El Troje (Huaca)"; 1899b:2ff, as "El Troje (Huaca)," p. 24, as "El Troye"; 1900:6 ff, p. 45, as "Monte Mirador, El Troje (Huaca)"; Chapman, 1926a:731); also see Mirador, Cerro.

EL TROYE (Salvadori & Festa, 1899b:24); see El Troje.

EL VIEJO, ISLA; Guayas 0156S/8049 (USBGN)
Sea level, small island in Ensenada de Valdivia [0157S/8044 (USBGN)], N of Península de Santa Elena [0215S/8050 (USBGN)], 5 km offshore of Valdivia [0157S/8044 (USBGN)] and near Isla Pelado [0154S/8050 (USBGN)] (Mapa, 1957); Mills, May 1966 (Mills, 1967:535).

ENDERBY, ISLA; Galápagos 0114S/9021 (USBGN)

ENGABAO (USNM); see Atahualpa; Guayas.

ENGABAO; Guayas 0235S/8029 (USBGN)
Sea level, 12 km NW of Playas [0238S/8023 (USBGN)] and 78 km SW of Guayaquil [0210S/7950 (USBGN)] (MHA; Mapa, 1957, as "Engabao del Morro"); McLean, 16-20 Dec. 1974 (USNM, as "Engabao del Morro"); not to be confused with the Engabao now known as Atahualpa [0219S/8047 (USBGN)].

ENGABAO, RÍO; Guayas 0222S/8050 (USBGN)
Small tributary of Río Grande [0232S/8021 (USBGN)] on southwestern coast of Península de Santa Elena [0215S/8050 (USBGN)], N of Ancón [0220S/8052 (USBGN)] (Mapa, 1957);

Edmund, 1958, 1961, at fossil sites on tributaries at ca. 0218S/8049, near Atahualpa [0219S/8047 (USBGN)] (Edmund, 1965:1).

ENGABAO DEL MORRO (Mapa, 1957); see Engabao,

EQUASAL LAGOONS (Ridgely, 1980:241); see Ecuasal, Salinas de.

ESCUDILLA Not located
Alt.?; Olalla, July-Nov. 1930 (Berlioz, 1932a:239, 241); possibly this is Río Escudillas [0024N/7755 (USBGN)], a high altitude river forming part of the border between Carchi and Imbabura; the presence here of temperate/subtropical birds, e. g., *Grallaria quitensis* and *Buthraupis eximia*, lends credence to this suggestion.

ESMERALDAS; Esmeraldas 0059N/7942 (USBGN)
Sea level, near center of provincial coast, at mouth of Río Esmeraldas [0058N/7938 (USBGN)] (MHA; Mapa, 1974); Colombia-Pacific faunal region, arid in vicinity of city but inland humid and largely forested [1926], Fraser, Oct.-Dec. 1859, Richardson, including at Caldas [not located], 17 Oct.-6 Dec. 1912 (Chapman, 1926a:709; CM; USNM); Flemming, Mar. 1899 (FMNH); collector?, Oct. 1934 (Yamashima, 1943:145).

ESMERALDAS, PROVINCIA DE 0040N/7930 (USBGN)
Northwestern Ecuador; bounded on E by Carchi and Imbabura, on S by Pichincha and Manabí, on N by Colombia, and on W by the Pacific.

ESPAÑOLA, ISLA; Galápagos 0125S/8942 (USBGN)
Also = Hood Island.

EUGENIO; Napo 0046S/7742 (Norton, 1965:2)
700 m, one day's foot travel NW toward Volcán Sumaco [0034S/7738 (USBGN)] from Cotapino [Concepción, 0048S/7725 (USBGN)], Norton, 16-22 July 1964 (Norton, 1965:2).

FALDAS; Pichincha Not located
Alt.?; on Pichincha [0010S/7833 (USBGN)], Olalla, 20 June 1964 (MCZ); this may merely refer to the slopes [*faldas*] of the volcano, rather than to a specific locality.

FANLAGUA; Pichincha Not located
8,500 ft [2,600 m], 16 mi [26 km] N of Quito [0013S/7830 (USBGN)], above Río Guaillabamba [0028N/7925 (USBGN)], Söderström Coll., date? (Lönnberg & Rendahl, 1922:14, 52); probably an error for Hacienda Tanlagua [ca. 0003N/7827 (Hoja CT ÑII-F3)], at 2,440 m.

FANTI Not located
4,000 ft [1,225 m], on road to [province of] Manabí [presumably from Quito, 0013S/7830 (USBGN)], Söderström Coll., date? (Lönnberg & Rendahl, 1922:64); doubtless a misspelling of Tanti [0018S/7903 (USBGN)], Pichincha, which see.

FERNANDINA, ISLA; Galápagos 0025S/9130 (USBGN)
Also = Narborough Island.

FILO DE MONOS; Manabí ca. 0000/7955 (Marin, in litt.)
ca. 460 m, northernmost Manabí, 47 km NW of El Carmen [ca. 0010S/7928 (Mapa, 1974)], in Montañas de Chindul [0007N/7946 (USBGN)], Marin and Gardner, 7-18 July 1988, Marin, 20 Nov. 1991 (WFVZ; Marin, in litt.).

FINA Not located
Alt.?; Buckley, date? (USNM); doubtless a misspelling.

FINCA NEGRA (USNM); see Huerta Negra.

FINCA VICTORIA; Pichincha ca. 0040S/7910
250 m, on road to Quevedo [0102S/7929 (USBGN)], ca. 37 km S of Santo Domingo de los Colorados [0015S/7909 (USBGN)], Vuilleumier, 11-21 July 1964 (Vuilleumier, 1978:22, 28).

FLOREANA, ISLA; Galápagos 0117S/9026 (USBGN)
Also = Isla Santa María or Charles Island.

FRANCISCO DE ORELLANA (Mapa, 1974); see Coca.

FRUTILLAS; Pichincha Not located
Alt.?; Festa, June-July 1897? (Salvadori & Festa, 1899a:5ff; Chapman, 1926aL731); Rivet, between ca. 1899-1906 (Menegaux, 1911:37); Loch, ca. 1935-1937 (FMNH); presence of *Lafresnaye lafresnayi, Gralleria quitensis,* and similar species indicative of fairly high altitude; probably refers to Quebrada Frutillas [0004S/7836 (USBGN)], NW of Quito [0013S/7830 (USBGN)].

GALÁPAGOS, TERRITORIO DE 0030S/9030 (USBGN)
In Pacific Ocean, ca. 1,000 km W of mainland.

GALERA, CERRO (FMNH); see Galeras, Cordillera de.

GALERAS, CERRO (Zimmer, 1940:4); see Galeras, Cordillera de.

GALERAS, CORDILLERA DE; Napo 0050S/7735 (USBGN)
1,500 m, range of low mountains ca. 40 km SSE of Volcán Sumaco [0034S/7738 (USBGN)] (MHA; Mapa, 1950); Olallas, 12 July 1925 (MCZ, as "Galeras, Río Pauchsi Jacu [Río Paushiyacu, 0028S/7711 (USBGN)]" and as "Galuas"; Atyeo & Peterson, 1977, Journ. Med. Entom.,**13**:740, as "(Río Pauchsi, Jacu), Cordiellera [sic] de Galeras"); the river is too far N to be associated with Cordillera de Galeras and therefore is presumed to be an error, but the Olallas are known to have been at the mouth of Río Cotapino [ca. 0048S/7726 (Mapa, 1957)], adjacent to the cordillera, a day earlier, 11 July 1925; Gómez, Dec. 1939 (FMNH, as "Cerro Galera"); Zimmer, 1940, Amer. Mus. Novit., no. 1060, p. 4, as "Cerro Galeras."

GALGALAN; Morona-Santiago Not located
10,000 ft [3,050 m], on upper Río Upano [0245S/7812 (USBGN)] (Chapman, 1926a:634); Feyer, date? (AMNH); doubtless near Cerro El Galgalán [ca. 0210S/7825 (Atlas Geográfico del Ecuador, Inst. Geo. Militar. & Min. Rel. Exteriores, 1975-1976)], near the

Chimborazo/Morona-Santiago border, ca. 15 km NW of Zúñac [Zuña, 0212S/7816 (USBGN)].

GALUAS; Napo — Not located
Alt.?; on Río Pauchsi Jaco [Río Paushiyacu, 0028S/7711 (USBGN)], a tributary of Río Payamino [0029S/7700 (USBGN)] between Rio Coca [0029S/7658 (USBGN)] and Río Napo [0320S/7240 (USBGN)], Olallas, 12 July 1925 (MCZ); also see Galeras, Cordillera de.

GANETOS — Not located
Alt.?; in the "Occidente," Clarke-Macintyre Coll., 9 Feb. 1937 (MCZ).

GARDNER ISLAND; Galápagos — 0120S/9017 (USBGN)
Also = Isla Jardinero.

GARETAS — Not located
Alt.?; Loch, July 1936 (FMNH); source of *Buthraupis montana,* a subtropical-temperate zone form; probably the same as Garretas [not located], Pichincha, which see.

GARRETAS; Pichincha — Not located
Alt.?; near Santo Domingo de los Colorados [0015S/7909 (USBGN)], Rivet, between ca. 1899-1906 (Menegaux, 1911:70); source of *Turdus fuscater*, which suggests a higher altitude than the 500 m of Santo Domingo de los Colorados; also see Garetas.

GARZA, ISLA DE LA (USNM); see Vinces.

GENOVESA ISLAND; Galápagos — 0020N/8958 (USBGN)
Also = Tower Island.

GIMA; Azuay — 0312S/7857 (USBGN)
2,950 m (Mapa, 1954); in southeastern Azuay, 21 km E of Girón [0310S/7908 (USBGN)] (Mapa, 1950, as "Jima"; Mapa, 1970); at headwaters of Río Palmar [0246S/7929 (USBGN)], a tributary of Río Paute [0246S/7816 (USBGN)] on trail from Gualaceo [0254S/7847 (USBGN)] to Loja [0400S/7913 (USBGN)] (Brown, 1941, Ann, Entom. Soc. Amer., 34:826); apparently the name also applied to the region as well as to the town (Chapman, 1926a:711, as "Jima"); Buckley, Mar. 1877 (Sclater & Salvin, 1877, Proc. Zool. Soc. London, p. 521, as "Jina"; AMNH; USNM, as "Jima"); also see Iama.

GIRÓN; Azuay 0310S/7908 (USBGN)
2,090 m, at head of Río Girón [0318S/7912 (USBGN)], 40 km SW of Cuenca [0253S/7859 (USBGN)] (MHA; Mapa, 1957); in arid tableland of inter-Andean region (de Schauensee, 1951:2); Gómez, June 1939 (FMNH).

GONZÁNAMÁ; Loja 0415S/7927 (USBGN)
2,090 m, on NNW end of Cordilllera de Santa Rosa [0422S/7919 (USBGN)], 35 km SW of city of Loja [0400S/7913 (USBGN)], southeastern Loja (Mapa, 1957); Paynter and Norton, 5 km SE, above town at 2,300 m, subtropical, dry but not arid, many fields and pastures, ridges covered with dense scrub, chest high, areas not cultivated are heavily cut, 5-9 Oct. 1965 (Paynter, 1972, Bull. Mus. Comp. Zool, **143**:303; MCZ).

GORAZON (Chubb, 1919:12); see Corazón.

GOVINDA Not located
Alt.?; Buckley, date? (Berlepsch & Taczanowski, 1884:312; USNM); presence of *Chamaepetes goudotii* is indicative of moderate to high elevations.

GRANADILLAS; Morona-Santiago 0308S/7844 (USBGN)
ca. 2,500 m, on eastern slope midway between Sígsig [0301S/7845 (USBGN)] and Gualaquiza [0324S/7833 (USBGN)] (Mapa, 1957); Buckley, date? (Ogilvie-Grant, 1893, Cat. Birds Brit. Mus., **22**:437); Festa, 12 Nov. 1895 (Chapman, 1926a:731).

GRANDE, RÍO; Guayas ca. 0220S/8055 (Edmund, 1965:1)
Small river rising in interior of Península de Santa Elena [0215S/8050 (USBGN)] and discharging on southwestern coast between Salinas [0213S/8058 (USBGN)] and Anconcito [0220S/8053 (USBGN)], W of Punta Carnero [0218S/8055 (USBGN)] (Edmund, 1965:1); dam near mouth creates Lago Velásco Ibarra (Mapa, 1970); Marchant, in general vicinity, 1954-1957 (Marchant, 1958:349, 352, 384); Spillman, collected avian fossils nearby at Río Chico [not located] and at Carolina Oil Company camp [not located], ca. 1937-1939 (Spillmann, 1942:357-378).

GUACA (Chapman, 1926a:709); see Huaca.

GUACAMAYO, CORDILLERA DE; Napo 0043S/7755 (USBGN)
ca. 2,500 m, spur extending SW from Volcán Sumaco [0034S/7738

(USBGN)] to main Andean range (MHA; Mapa, 1957, as "Cordillera de Huacamayo"); Goodfellow and Hamilton, ca. Feb.-Apr. 1899 (Goodfellow, 1902:221); Krabbe, at 2,100 m, where?, 2 Sept., and at 1,300 m, above Río Hollin [0058S/7745 (USBGN)] road, ca. 10 km from turnoff from Baeza [0027S/7753 (USBGN)]/Tena [0059S/7749 (USBGN)] road, also 2 Sept. 1990 (Krabbe, 1992b:170, as "Cordillera de Huacamayos," p. 172, as "Cordillera de Guacamayos"); see, also, Cosanga.

GUACAMAYOS (WFVZ); see Cosanga.

GUACAMAYOS, CORDILLERA DE (Krabbe, 1992b:172); see Guacamayo, Cordillera de.

GUACHALÁ, RÍO; Pichincha 0001N/7811 (USBGN)
Apparently rises on western side of Volcán Cayambe [0002N/7759 (USBGN)], passing by town of Cayambe [0003N/7808 (USBGN)], although not named on our maps; Rosenberg, at 9,200 ft [2,800 m], ca. June-July 1897 (Hartert, 1898:493); Cory & Hellmayr, 1924, Field Mus. Nat. Hist. Publ., Zool. Ser., **13**, pt. 3, p. 342, as "Río Guchala."

GUACHANAMÁ; El Oro (Chubb, 1919:30); see Guachanamá; Loja.

GUACHANAMÁ; Loja 0402S/7953 (USBGN)
3,086 m, flat-topped mountain in southeastern Loja, 18 km ESE of Alamor [0402S/8002 (USBGN)] and 10 km ENE of Celica [0407S/7959 (USBGN)] (MHA; Mapa, 1950); scattered stands of stunted temperate forest but much of slopes open or covered with tough scrub (Chapman, 1926a:706); Simons, at 2,000 ft, 10 July 1899 (Chubb, 1919:30, as "Guachanamá, El Oro"); Cherrie, at 9,050 ft [2,775 m], 7-11 Oct. 1920 (Chapman, 1921a:10, as "Guachumaná"; 1926a:19, 709); Paynter and Norton, at 2,500 m, in cloud forest with some areas cleared for cultivation, 27-29 Oct. 1965 (MCZ).

GUACHUMANÁ (Chapman, 1921a:10); see Guachanamá; Loja.

GUACKI Not located
Alt.?; on Río Pastaza [0455S/7624 (USBGN)], Olallas, 16-19 Jan. 1936 (CM; Moore Coll.); source of *Atlapetes brunneinucha,* a subtropical species; probably this is Guachi [Huachi Chico, 0116S/7838 (USBGN)], 6 km S of Ambato [0115S/7837 (USBGN)],

Tungurahua, and on the uppermost headwaters of the Río Pastaza (Atlas Geog.).

GUADELOUPE; Morona-Santiago Not located
Alt.?; Ridgely and Rowlet, E of Guadeloupe, at 1,300 m on western base of Cordillera de Cutucú [Cordillera Cutucú Occidental, 0245S/7805 (USBGN)], 4 Aug. 1979 (Krabbe, 1992b:172).

GUADUAL; Esmeraldas 0051N/7829 (Evans, 1988:24)
ca. 600 m, on railway between Alto Tambo [0056N/7832 (USBGN)] and Lita [0052N/7828 (USBGN)], on southern side of Río Mira [0136N/7901 (USBGN)], extreme northeastern Esmeraldas, Ross, et al., Aug. 1986 (Evans, 1988:17, 21, 24); not the town of this name at 0044N/7814 (USBGN); not found on our maps.

GUAGUA (USNM); see Pichincha; Pichincha.

GUAGUA PICHINCHA; see Pichincha; Pichincha.

GUAILLABAMBA; Pichincha 0004S/7821 (USBGN)
2,139 m, town in Central Valley 20 km NNE of Quito [0013S/7830 (USBGN)] (MHA; Mapa, 1970, as "Guayllabamba"); very arid, below town is canyon of Río Guaillabamba [0028N/7925 (USBGN)], 2,000-3,000 ft [600-900 m] in depth, its steep sides are bare except for a few cacti and acacias (Chapman, 1926a 286, as "Guallapampa," p. 709); near town is [was?] a marsh, Jameson, before 1856 (Jardine, 1856:91, as "Guilabamba"); Festa, June-July 1897? (Salvadori & Festa, 1900:5, as "Guallabamba"); Goodfellow and Hamilton, at 6,500 ft [1,975 m], between 1898-1899 (Oberholser, 1902:569, as "Guallabamba"); Rivet, ca. 1898-1899 (Simon, 1907:17, as "Guallabamba"); Simons, at 4,500 m?, 16 Jan., 17 Feb 1899 (Chubb, 1919:2, 269, as "Guallabamba, Chimborazo"); Olalla, Jan. 1935, Aug. 1936 (FMNH, as "Guallabamba"); Berlioz, Aug. 1936 (Berlioz, 1936:408); Gómez, Apr. 1939, Apr. 1940 and at "Mt. Guallabamba" [not located], Apr. 1939 (FMNH); Ortiz-Crespo, on west flank of gorge ca. 3 km from bridge on PanAmerican highway, 2,330 m, 15, 29 Nov. 1969 (Ortiz-Crespo, 1974:359, as "Guayllabamba"); Hilgert, brief times from Oct. 1981-Feb., Oct.-Nov. 1982, Jan.-Feb. 1983, Apr., July 1984-Jan., Aug., Oct. 1985 (Hilgert, 1988:751, as "Guayllabamba.").

GUAILLABAMBA, RÍO; Pichincha/Imbabura/Esmeraldas 0028N/7925 (USBGN)
An affluent of Río Esmeraldas [0058N/7938 (USBGN)] rising in the inter-Andean valley N of Quito [0013S/7830 (USBGN)] and flowing NW and then WNW out of the Andes to the coastal plain (MHA; Mapa, 1957); Söderström Coll., below Zámbiza [0009S/7826 (USBGN)], at 7,500 ft [2,300 m], and near river at 7,000 ft [2,150 m], dates? (Lönnberg & Rendahl, 1922:27, 41); Olallas, where?, Jan. 1939 (FMNH); Norton, where?, at 1,900 m, 29 Aug.-2 Sept. 1964 (MCZ, as "Río Guiallabamba"); Ortiz-Crespo, 1974:359, as "Río Guayllabamba."

GUAINCHE; Loja Not located
3,200 ft [975 m], between Alamor [0402S/8002 (USBGN)] and Celica [0407S/7939 (USBGN)] in broad well-cultivated valley [= Río Alamor, 0430S/825 (USBGN) ?], Cherrie and Gill, 25-29 Aug. 1921 (Chapman, 1926a:709).

GUALACEO; Azuay 0254S/7847 (USBGN)
2,320 m, in eastern part of Central Valley, 22 km E of Cuenca [0254S/7859 (USBGN)] (MHA; Mapa, 1970); Rivet, between ca. 1899-1906 (Menegaux, 1911:26); Norton, 13 Nov. 1965 (MCZ); Chapman, 1926a:348, as "Gualaco."

GUALACO (Chapman, 1926a:348); see Gualaceo.

GUALAQUIZA; Morona-Santiago 0324S/7833 (USBGN)
971 m, in foothills in southwestern part of province, in valley of Río Bomboiza [0325S/7829 (USBGN)], a tributary of upper Río Zamora [0259S/7813 (USBGN)], 65 km SE of Cuenca [0254S/7859 (USBGN)] (Mapa, 1957); Fraser, Dec. 1857-Feb. 1858 (Sclater, 1859b:450); Baron, at 4,000 ft [1,225 m], May 1893 (Hartert & Hartert, 1894:43-44); Festa, in vicinity, 14 Nov. 1895-18 July 1896 (Chapman, 1926a:731); Rivet, between ca. 1899-1906 (Menegaux, 1911:23); Marin, 5 km SE, at 850 m, near Bomboiza [= ? Río Bomboisa], 22 July 1990 (WFVZ; Marin, in litt.).

GUALCA Not located
Alt.?; collector?, date? (Koepche, 1963, Beitr. Neotrop. Fauna, 3:10); probably an error for Gualea [0007N/7850 (USBGN)].

GUALEA; Pichincha 0007N/7850 (USBGN)
ca. 1,500 m, northwestern Pichincha, on lower slopes, 8 km WNW

of Nanegal [0007N/7846 (USBGN)] on Río Alambi [0014N/7849 (USBGN)] (MHA; Mapa, 1957; Mapa, 1970, where shown too far S); name has been used in a regional sense, with altitudes ranging from ca. 3,900-6,000 ft [1,200-1,825 m], subtropical (Chapman, 1926a:709); Festa, May, July 1897? (Salvadori & Festa, 1899a:5; Chapman, 19261a:731); Goodfellow and Hamilton, July-Aug. 1898 (Goodfellow, 1901:301); Rivet, between ca. 1899-1906 (Menegaux, 1911:4); Holstein, date? (USNM, as "Gualia"); Hoffman, for Rosenberg Coll., May 1904 (FMNH); Söderström, 28 Sept. 1910 (USNM), May 1913, Hammond, Apr. 1914 (FMNH); collectors?, 8 May 1911, 4 Oct. 1912, 13 Nov. 1913, 8 Mar., 5 Oct. 1914, Mar. 1919 (USNM); Richardson, 20 June 1913 (USNM); Goodfellow, July 1914 (Chubb, 1916:48); Söderström, below Gualea at 3,500 ft [1,025 m], 20 Aug. 1919 (Gyldenstolpe, 1941, Arkiv. Zool., **33A**, p. 17); Söderström, May 1916 (USNM), 1 Nov. 1920 (Kelso, 1940, Biol. Leaflets, no. 12, p. 1); Söderström Coll., at Gualea and in vicinity, dates? (Lönnberg & Rendahl, 1922:18ff); d'Epinay Coll., Feb. 1922 (Berlioz, 1928b:439); Gonzal, July 1923 (USNM); Olallas, 6 Oct. 1926, 20 Mar. 1928, 9-10 June 1929, nearby, 7 Aug. 1921 (CM); Rosenberg, Aug. 1929 (FMNH); Olallas, 3, 12 Apr., 15, 19 June 1930 (Stresemann, 1938:117); Olallas, at "montes de Gualea," ca. 1935-1937, Gómez, at "montes de Gualea," May 1939 (FMNH); Olalla, 22-23 Apr., 18 Nov. 1963, 8-12 June 1964 (MCZ); Riley, 1914:213, as "Gualia"; Park & Atyeo, 1974 Journ. Georgia Entom. Soc., **9**:32, as "Qualea."

GUALIA (Riley, 1914:213); see Gualea.

GUALLABAMBA; Chimborazo (Chubb, 1919:2); see Guaillabamba; Pichincha.

GUALLABAMBA; Pichincha (Simon, 1907:17); see Guaillabamba; Pichincha.

GUALLABAMBA, MT. (FMNH); see Guaillabamba; Pichincha.

GUALLAPAMPA (Chapman, 1927a:286); see Guaillabamba; Pichincha.

GUALLAVO (Chubb, 1919:3); see Guayabo; El Oro.

GUALLUPE; Imbabura 0047N/7818 (USBGN) ca. 500 m, in northwestern corner of province, on Carchi border and Río Mira [0136N/7901 (USBGN)], 10 km SE of Carolina

[0047N/7818 (USBGN)] (MHA, as "Guallupi"; Mapa, 1957); Olallas, at "pajonales de Guallupe," July 1931 (FMNH); also see Guayupe.

GUALLUPI (MHA); see Guallupe.

GUALON Not located

Alt.?; collector?, date? (Hellmayr & Conover, 1949, Field Mus. Nat. Hist. Publ., Zool. Ser., **13**, pt. 1, no. 4, p. 251); presence of *Micrastur ruficollis guerilla* indicative of tropical/subtropical zone of northwest; probably a misspelling of Gualea [0007N/7850 (USBGN)].

GUAMANÍ; Pichincha ca. 0020S/7813 (Mapa, 1957)

Alt.?; mountain below which is a pass at 0020S/7813 in páramo at 3,600 m through which the Quito [0013S/7830 (USBGN)]/Papallacta [0022S/7808 (USBGN)] road crosses the Cordillera Oriental [1400S/7100 (USBGN)] (Brown, 1941, Ann. Entom. Soc. Amer., **34**:828); longitude of 7833 given by USBGN is certainly erroneous; Chapman (1926a:709, as "Cerro of Guamani") gives an altitude of 13,600 ft [4,200 m], which must refer to peak rather than to the pass, although Goodfellow and Hamilton (Goodfellow, 1901:700) did collect at 16,000 ft [4,900 m], 1898-1899; most collections presumably made at pass; Olallas, 25 Oct.-6 Dec. 1922, 18-19 July 1923 (Chapman, 1926a:21, as "Cerro Guamani," p. 627, as "Cerro Huamani"); Olallas, 9 Jan. 1925 (MCZ, as "Cerro Huamani arriba"); Olallas, 11 Nov. 1927 (CM, as "Cerro Guamaní"); Söderström Coll., on north side of "Guamani road," at 11,000 ft [3,375 m], date? and below Guamaní, W of Papallacta, at 13,000 ft [4,000 m], date? (Lönnberg & Rendahl, 1922:25, 68); Olallas, Dec. 1932, Jan. 1934 (FMNH); Corley Smith, at ca. 13,200 ft [4,000 m], ca. 1964-1967 (Corley Smith, 1969:21); Vuilleumier and Hill, in the pass at ca. 4,000 m, 30 Aug. 1964 (Vuilleumier, 1976).

GUAMANI, CERRO (Chapman, 1926a:21); see Guamaní.

GUAMANI, CERRO OF (Chapman, 1926a:709); see Guamaní.

GUAMAYACU Not located

Alt.?; collector?. date? (Hellmayr & Conover, 1942, Field Mus. Nat. Hist. Publ., Zool. Ser., **13**, pt. 1, no.1, p.188); *Chamaepetes giudoti tschudii* and *Aramides calopterus* have been found here and are indicative of the eastern subtropical/tropical zones.

GUAMBA; Tungurahua ? Not located
Alt.?; near Baños [0124S/7825 (USBGN)], on eastern slope, Clarke-Macintyre Coll., 7 Jan 1938 (MCZ).

GUANACILLA; Pichincha ca. 0012S/7915 (MHA)
ca. 500-700 m, 10 km W of Santo Domingo de los Colorados [0015S/7909 (USBGN)] (MHA); humid tropics, Goodfellow and Hamilton, Oct. 1898 (Chapman, 1926a:710, as "Guanacillo," p. 732).

GUANACILLO (Chapman, 1926a:710); see Guanacilla.

GUANGOPOLO; Pichincha 0015S/7827 (USBGN)
ca. 2,600 m, in Central Valley, 8 km SE of Quito [0013S/7830 (USBGN)], at western base of Cerro Ilaló [0016S/7824 (USBGN)] (Hoja CT ÑIII-B3); Rhoads, date? [1911?] (Chapman, 1926a:481).

GUANO; Chimborazo 0135S/7838 (USBGN)
2,713 m, in Central Valley, 10 km N of Riobamba [0140S/7838 (USBGN)] (MHA; Mapa, 1957); arid temperate zone (Chapman, 1926a:710); Fraser, June, Aug.? 1858 (Sclater, 1859c:549); Lévêque, May 1950? (Lévêque, 1964:57).

GUÁPALO (Goodfellow, 1901:459); see Guápulo.

GUAPILES Not located
Alt.?; collector?, date? (Zimmer, 1955, Amer. Mus. Novit., no. 17, p. 26); source of *Notiochelidon c. cyanoleuca*, a form with a wide altitudinal range; probably an error for Guápulo [0012S/7829 (USBGN).

GUAPILO Not located
Alt.?; collector?, date? (Zimmer, 1944, Amer. Mus. Novit., no. 1262, p. 21); source of *Thraupis bonariensis darwini*, an Andean taxon; probably an error for Guápulo [0012S/7829 (USBGN)].

GUÁPULO; Pichincha 0012S/7829 (USBGN)
2,960 m (Brown, 1941, Ann. Entom. Soc. Amer., 34:828); an eastern suburb of Quito [0013S/7930 (USBGN)] on Río Machángara [0010S/7825 (USBGN)] (MHA; Mapa, 1950; Mapa, 1957); Fraser, ca. Feb.-Apr. 1859 (Sclater, 1860b:74); Goodfellow and Hamilton, between 1898-1899 (Goodfellow, 1901:309, 458, as "Guápalo"); Rivet, between ca. 1899-1906 (Menegaux, 1911:17); Chapman and Cherrie, 1922 (Chapman, 1926a:710); Söderström Coll., between

Guápulo and Cumbaya [0012S/7826 (USBGN)], date? (Lönnberg & Rendahl, 1922:59); also see Guapiles and Guapilo.

GUARACILLO Not located
Alt.?; Goodfellow and Hamilton, Sept. 1898 (USNM); possibly a misreading of Milligalli [ca. 0016S/7836 (Brown, 1941:836)] where Goodfellow and Hamilton were in Sept. 1898.

GUARAMO; Pichincha Not located
2,150 m (Marin, in litt., as "Guarumo"); 18 km NW of Quito [0013S/7830 (USBGN)], near Nono [0004S/7835 (USBGN)], Corado, 6 July 1990 (WFVZ, also as "El Guarumo"); correct name unknown; a stream "Guarumos" [0004S/7838 (USBGN)], which see, is nearby.

GUARANDA; Bolívar 0136S/7900 (USBGN)
2,608 m, large town on upper western slope, 42 km W of Riobamba [0140S/7838 (USBGN)] (MHA; Mapa, 1957); Festa, 18-19 Aug. 1897 (Chapman, 1926a:732), but there is no record in Salvadori & Festa (1899, 1900) of Festa having collected there; Söderström Coll., along old road to Babahoyo [0149S/7931 (USBGN)], at 7,000-8,000 ft [2,150-2,450 ft], date? (Lönnberg & Rendahl, 1922:59).

GUARUMO (Marin, in litt.); see Guaramo.

GUARUMOS; Pichincha 0004S/7838 (USBGN)
Stream on western slope about midway between Quito [0013S/7830 (USBGN)] and Nanegal [0007N/7846 (USBGN)], in vicinity of Nono [0004S/7835 USBGN)], which may be a headwater of the Río Nono/Río Blanco [ca. 0005N/7845 (Mapa, 1957)], which in turn flows into the Río Alambi [0014N/7849 (USBGN)]; the Guarumos is not shown on our maps and the Ríos Nono and Blanco appear only on Mapa, 1957; probably this is the "Guarumus" of Andes-Amazon Exped., June 1936 (Berlioz, 1937b:115), of the Olallas 25 June 1932 (FMNH, as "via Mindo-Río Blanco"; CM), and of Loch, July 1936 (FMNH); Gómez, 20 Sept. 1939 (USNM, as "Guarurnos"); Marin, 18 km NW of Quito [0013S/7830 (USBGN)], near Nono, 19 July 1988 (WFVZ, as "Guarumo"); there is probably a town nearby also bearing this name and some of the above citations doubtless refer to the town rather than the stream; also see Guaramo

GUARUMUS (Berlioz, 1937b:115); see Guarumos.

GUARURNOS (USNM); see Guarumos.

GUASI GUAICO (Hartert & Hartert, 1894:60); see Huasihuaico.

GUATARACO, CERRO; Napo ? Not located
Alt.?; "Oriente," Olallas, 26 Sept. 1929 (CM); Olalla, Aug. 1930 (FMNH); Olallas, 1-2 July, 15 Sept. 1932 (Stresemann, 1937b:14-15); Spillmann and Olallas, 16 Apr. 1930, 30 June, 21, 24 Aug. 1932 (Stresemann, 1938:117-118); Gómez, July 1930 (FMNH, as "Guataraco, near Rio Suno [0042S/7708 (USBGN)]"); presumably in vicinity of Volcán Sumaco [0034S/7738 (USBGN)], near head of Río Guataracu [0046/7715 (USBGN)] at ca. 0040S/7735 (Norton, 1965:3), and to be spelled "Guataracu," but there is a record of the Olallas at Mindo [0002S/7848 (USBGN)] on the western slope of Pichincha on 16 Apr. 1930; possibly this is an error and Spillmann was not accompanied by one of the Olallas at Cerro Guataraco, or perhaps he was, but with a different Olalla than the ones at Mindo.

GUATARACO, RÍO (Norton, 1965:3); see Guataracu, Río.

GUATARACU, RÍO; Napo 0046S/7715 (USBGN)
Affluent of Río Suno [0042S/7708 (USBGN)], which is a tributary of Río Napo [0320S/7240 (USBGN)], rising on the southeastern slope of Volcán Sumaco [0034S/7738 (USBGN)] (Mapa, 1950; Mapa, 1957); Norton, where?, 9 Aug. 1963 (MCZ); Norton, at 1,350 m, near head of river at 0040S/7735, 25 July-5 Aug. 1964 (Norton, 1965:3, as "Río Guataraco").

GUATICOCHA; Napo 0045S/7724 (Norton, 1965:3)
750 m, small, round, very deep lake on southeastern slope of Volcán Sumaco [0034S/7738 (USBGN)], Chandler and Norton, 16-24 Aug. 1964 (Norton, 1965:3).

GUAYABA; Santiago-Morona Not located
Alt.?; on Río Zamora [0259S/7813 (USBGN)], collector?, date? (Chapman, 1926a:387); collector?, date? (Zimmer, 1950, Amer. Mus. Novit., no. 1474, p. 21, as "Guayabo"); there are two sites bearing the name "Guayabo" in the western part of the country, but the Zimmer reference concerns *Thalurania furcata viridipectus*, a form of the eastern lowlands; it is assumed that Guayabo is a lapsus for Guayaba.

GUAYABO (Zimmer, 1950:21); see Guayaba.

GUAYABO; El Oro 0335S/7954 (USBGN)
1,000 m, Simons, 20 June 1899 (Chubb, 1919:3, as "Guallavo"); central western El Oro, on lower slope a short distance from Santa Rosa [0327S/7558 (USBGN)] and close to Saracay [0338S/7955 (USBGN)]; does not appear on maps available to us.

GUAYABO; Manabí 0101S/8029 (USBGN)
ca. 100 m, in central interior Manabí, 5 km NW of Portoviejo [0103S/8027 (USBGN)] (MHA; Mapa, 1950); Loch, ca. 1935-1937 (FMNH).

GUAYAQUIL; Guayas 0210S/7950 (USBGN)
Sea level, Ecuador's major port, on Río Guayas [0236S/7952 (USBGN)], equatorial arid fauna, shores of river and estuaries bordered with red mangroves, savannas nearby flooded in rainy season (Chapman, 1926a:710); Belcher, 19 July 1839, Destruge, date?, Doyle, date? (USNM, sometimes as "Santiago de Guayaquil"); collector?, before 1844 (Lesson, 1844, Rev. Zool. [Paris], **7**:433); Dellatre, before 1858 (Sclater, 1859b:452, as "Guyaquil"); Fraser, probably summer 1859 (Sclater, 1860d:287); Stolzmann and Siemiradski, July-Dec. 1882, Aug. 1883 (Berlepsch & Taczanowski, 1883:536; 1884:281, 312); MacFarlane, May-June 1883 (MacFarlane, 1887:209); Jones, 1884 (Ridgway, 1906, Proc. Biol. Soc. Washington, **19**:120; USNM); Festa, early Oct. 1895, 23 Aug.-1 Sept. 1897, 31 Dec. 1897-4 Jan. 1898 (Chapman, 1926a:731-732); Richardson, 26 May, 15 Aug. 1913 (USNM); Powell, date? (Hartert and Goodson, 1917, Novit. Zool., **24**:412); Söderström Coll., savanna, 50-300 ft [15-100 m], date? (Lönnberg & Rendahl, 1922:61); Berlioz, Aug., Sept. 1936 (Berlioz, 1937a:393); Campos, ca. 1937 (Campos, 1938); Monge, 23 Oct., 27 Dec. 1945, 4 July 1946, 31 May 1948 (LACMNH); Marchant, 75 km from Guayaquil, road to Salinas [0213S/8058 (USBGN)], 21 Aug. 1956 (Marchant, 1958:373); Lévêque, various times 1960-1962 (Lévêque, 1964:52, 61); Mills, nearby at city's "Puerto Maritimo," 29 Sept., 1 Oct. 1965, 3-6 May 1966, and at race track "Hippodroma Santa Cecilia," 30 Sept. 1966 (Mills, 1967:536-537); Bleitz Coll., nearby, 15, 20-21 Sept. 1969 (WFVZ); Ross, et al., 16 Sept. 1986 (Evans, 1988:83); also see Cemento Nacional and Tarasama.

GUAYAQUIL, GOLFO DE; Guayas 0300S/8030 (USBGN)
Major bay on southwestern coast (MHA); Barclay, before 1860 (Sclater, 1860d:286); Lévêque, various times, 1960-1962 (Lévêque,

1964:52, 61); Mills, in vicinity, Oct. 1965, 31 May 1966 (Mills, 1967:534).

GUAYAS, PROVINCIA DEL 0200S/8000 (USBGN)
In west-central Ecuador; bounded on S and W by the Pacific, on N by Manabí and Pichincha, on E by Los Ríos, Bolívar, and Cañar, and on SE by Azuay and El Oro; A. and E. Asanza, in coastal region, ca. 29 Oct.-6 Nov. 1986 (Low, 1987a, 1987b).

GUAYAS, RÍO; Guayas 0236S/7952 (USBGN)
Short tidal river formed by confluence of Ríos Daule and Babahoyo at 0210S/7952 (USBGN) by city of Guayaquil [0210S/7950 (USBGN)] and emptying into Golfo de Guayaquil [0300S/8030 (USBGN)] via a delta with many large islands (Mapa, 1970); some maps, e. g., MHA, show the lower part of the Río Babahoyo as the Guayas and restrict the Babahoyo to above the city of Babahoyo [0149S/7931 (USBGN)]; Quabicker, 1939 (Marchant, 1958:370); Curry, Aug. 1960, Lévêque, numerous visits 1960-1962 (Lévêque, 1964:52, 61); Mills, near mouth at Posorja [0244S/8015 (USBGN)], 7 May 1966 (Mills, 1967:536).

GUAYLLABAMBA (Mapa, 1970); see Guaillabamba; Pichincha.

GUAYLLABAMBA, RÍO (Ortiz-Crespo, 1974:359); see Guaillabamba, Río.

GUAYRA PATA Not located
Alt.?; Olallas, 4 Dec. 1935 (Moore Coll.); source of *Atlapetes pallidinucha*, indicating the locality is at a moderate altitude, probably on the eastern slope.

GUAYUPE; Imbabura Not located
3,600 ft [1,100 m], collector?, date? (de Schauensee, 1953:35); source of *Schiffornis turdinus rosenbergi*, a taxon of the western lower slope; this may be an error for Guallupe [0047N/7818 (USBGN)], which see.

GUCHALA, RÍO (Cory & Hellmayr, 1924, p. 342); see Guachalá, Río.

GUIALLABAMBA, RÍO (MCZ); see Guaillabamba, Río.

GUICHAPA (Hellmayr, 1937:203); see Paguishapa.

GUILABAMBA (Jardine, 1856:91); see Guaillabamba; Pichincha.

GUILCA; Morona-Santiago Not located
Alt.?; "Oriente," collector?, May 1933 (Berlioz, 1937b:115); Gómez, Sept. 1937 (USNM); Gómez, near Macas 0219S/7807 (USBGN)], 6 Sept. 1939 (LACMNH); doubtless error for Huilca [not located], Morona-Santiago, which see.

GUILEA; Morona-Santiago ? Not located
Alt.?; "Oriente," Cutsaseme [not located], Gómez, 29 Mar. 1939 (USNM); probably a misspelling of Guilca [see above], which is an error for Huilca [not located], which see.

GUINTZA, PÁRAMO DE; Cotopaxi 0045S/7845 (USBGN)
Alt.?; on southwestern slope of Illiniza [0040S/7842 (USBGN)], central northern Cotopaxi; not indicated on our maps; Krabbe, on northwestern side, at the "highest point of new road to Sigchos [0042S/7853 (USBGN)]," from 3,350-3,500 m, 7, 9 Aug., 17 Oct. 1990, 3 Jan. 1991 (Krabbe, 1992a:166-168, as "Planadas de Guintza").

GUINTZA, PLANADAS DE (Krabbe, 1992a:166); see Guintza, Páramo de.

GUISHAPA (Chubb, 1919:3); see Paguishapa.

GUIVEDO (USNM); see Quevedo.

GUYAQUIL (Sclater, 1859b:452); see Guayaquil.

GUY FAWKES, ISLA; Galápagos 0030S/9031 (USBGN)

HACIENDA ALCHIPICHÍ; Pichincha 0003N/7824 (USBGN)
ca. 2,800 m ? (Mapa, 1957); short distance WSW of Malchinguí [0004N/7820 (USBGN)], above Río Guaillamba [0028N/7925 (USBGN)] (Whymper, 1892, *Travels Amongst Great Andes of Equator*, p. 284, map); Olallas, Apr. 1934 (FMNH, as (Valle Alchipichí").

HACIENDA ALMENDRAL; Loja 0405S/7948 (USBGN)
2,900 ft [900 m], in Río Casanga [0408S/8009 (USBGN)] valley, Cherrie, 13, 17 Sept. 1920 (MCZ, as "Almendral"; Chapman, 1926a:20).

HACIENDA ANAGUMBA; Imbabura 0012N/7824 (USBGN)
7,500 ft [2,300 m], western side of Mojanda [0008N/7824 (USBGN)], near [Hacienda] Piganta [0009N/7823 (USBGN)], Söderström Coll., date? (Lönnberg & Rendahl, 1922:62, as "Anagumba"); not shown on our maps; Olallas, at "Montes Anagumba," June 1931, Feb., May 1934 (FMNH).

HACIENDA ANA MARÍA Not located
Alt.?; collector?, date? (Zimmer, 1948, Amer. Mus. Novit., no. 1380, p. 37); source of *Trogon violaceus concinnus,* a tropical western race; almost certainly this is Ana María [0059S/7925 (USBGN)], Los Ríos, which see.

HACIENDA ANTISANILLA; Pichincha 0023S/7817 (Brown, 1941:817)
3,700 m, herder's shelter in páramo on trail to Antisana [0030S/7808 (USBGN)] (Brown, 1941, Ann. Entom. Soc. Amer., 34:817); collector?, date? (Chapman, 1926a:210, as "Antisanilla").

HACIENDA ARCADIA; Pichincha 0018S/7832 (USBGN)
9,700 ft [2,950 m], 6 mi [10 km] S of Quito [0013S/7830 (USBGN)], Söderstrom Coll., date? (Lönnberg & Rendahl, 1922:21, as "Arcadia"); does not appear on our maps.

HACIENDA AYALÁN; Guayas 0237S/8017 (USBGN)
ca. sea level, in southern Península de Santa Elena [0215S/8050 (USBGN)], short distance N of Posarja [0144S/8015 (USBGN)] and ca. 70 km SW of Guayaquil [0210S/7950 (USBGN)]; does not appear on maps available to us; archaeological site with bird remains, Ubelaker, date? (Hesse, 1980, as "Ayalan").

HACIENDA CACHUQUÍ MONCAYO; Pichincha 0005S/7832 (USBGN)
Alt.?; in vicinity of Nono [0004S/7835 (USBGN)] on western slope, NW of Quito [0013S/7830 (USBGN)]; does not appear on maps available to us; Rivet, between ca. 1899-1906 (Menegaux, 1911:47, as "Cachuqui").

HACIENDA CASPIGASI (Ortiz-Crespo, 1974:347); see Hacienda Caspiguasi.

HACIENDA CASPIGUASI; Pichincha 0001N/7829 (USBGN)
2,760-2,825 m, ca. 20 km N of Quito [0013S/7830 (USBGN)] on western slope of Pomasquí [0003S/7827 (USBGN)]/San Antonio [0001S/7827 (USBGN)] valley, ca. 50 ha, open area, flatter parts cultivated, hilly areas left fallow with sparse growth of native herbs and small shrubs, only trees are introduced and <10 m, Ortiz-Crespo, Oct. 1968-Sept. 1970, Léon, Mar. 1971 (Hoja CT ÑII-F3, as "Hacienda Caspigasi"; Ortiz-Crespo, 1947:347, as "Hacienda Caspigasi").

HACIENDA DE CURTINCAPA; El Oro Not located
1,000 m, Simons, 12 June 1899 (Chubb, 1919:3); in extreme eastern El Oro, near Curtincapa [0344S/7933 (USBGN)], but evidently not the same; see Curtincapa.

HACIENDA EL PASO; Azuay 0322S/7905 (USBGN)
Alt.?; in highlands of southeastern Azuay, near Nabón [0320S/7904 (USBGN)]; not shown on our maps; collector?, date? (Chapman, 1926a:613,as "El Paso"; Koepcke, 1963, Beitr. Neotrop. Fauna, 3:10, as "El Paso (Azuay)").

HACIENDA EL REFUGIO; Guayas Not located
Alt.?; northwestern Guayas, near Manglaralto [0150S/8044 (USBGN)], McLean, 23-25 Oct. 1974 (USNM).

HACIENDA GARZÓN; Pichincha Not located
Alt.?; on slopes of Pichincha [0010S/7833 (USBGN)], subtropical or temperate, Rhoads, 29 Apr., 3, 13-14 May 1911 (Chapman, 1926a:13, 631; WFVZ); Mena, 2 Dec. 1937 (WFVZ).

HACIENDA GUACHALÁ; Pichincha 0001S/7810 (USBGN)
2,801 m, on southern slopes of Cayambé [0002N/7759 (USBGN)] on road to town of Cayambé [0003N/7808 (USGBN)], arid temperate zone (Brown, 1941, Ann. Entom. Soc. Amer., 34:826); collector?, 5

Feb. 1951 (Norton, et al., 1972:889, as "Hda. Guachalá;...L.[ago?] de Ascásubi [? Ascázubi, 0005S/7817 (USBGN)]").

HACIENDA IBARRA; Pichincha 0018S/7833 (USBGN)
Alt.?; on southwestern outskirts of Quito [0013S/7830 (USBGN)]; not found on maps available to us; Olalla, July 1944 (FMNH).

HACIENDA ITULCACHI; Pichincha 0017S/7820 (USBGN)
ca. 2,660 m, on southeastern outskirts of Quito [0013S/7830 (USBGN)] (Hoja CT ÑIII-B3); Olallas, Feb. 1935 (FMNH, as "Rocas de Itulcache"); Hellmayr & Conover, 1949, Field Mus. Nat. Hist. Publ., Zool. Ser., **13**, pt. 1, no. 4, p. 148, as "Bocas del Itulcache, Napo Pastaza."

HACIENDA JALANCAY; Chimborazo Not located
Alt.?; on western slope in vicinity of Chunchi [0217S/7855 (USBGN)] and the upper Río Chanchán [0217S/7924 (USBGN)], collector?, date? (Cory & Hellmayr, 1927, Field Mus. Nat. Hist. Publ., Zool. Ser., **13**, pt. 5, p. 428, as "Chunchi, Hacienda Jalancay"); Rhoads, 24-26 Mar. 1911 (WFVZ, as "Chunchi, Hacienda Jalancay"); also see Chunchi.

HACIENDA LA IBERIA Not located
Alt.?; Olalla, Oct. 1944 (FMNH).

HACIENDA LA LIBERTAD; Pichincha 0004S/7809 (USBGN)
Alt.?; in Central Valley, 11 km NW of Guillabamba [0004S/7821 (USBGN)], Carrión and Marin, 2 km S, at 2,000 m, on road to Puéllaro [0004N/7824 (USBGN)], 28 July 1990, Marin, nearby, 17 Nov., 1, 12 Dec. 1991 (WFVZ, as "La Libertad"; Marin, in litt., as "La Libertad"); does not appear on our maps.

HACIENDA LA MERCED; Pichincha 0002S/7833 (USBGN)
Alt.?; on western slope northwest of Quito [0013S/7830 (USBGN)] and not far from Nono [0004S/7835 (USBGN)], but not shown on our maps; Lévêque, between Hacienda La Merced and Nono, at ca. 3,000 m, 17 Sept. 1961 (Lévêque, 1964:60-61).

HACIENDA LA PERLA; Pichincha[/Esmeraldas?] Not located
300 m, private reserve between Santo Domingo de los Colorados [0015S/7909 (USBGN)] and La Concordia [ca. 0002N/7924 (Mapa, 1974)], observer?, date? (Ortiz-Crespo & Carrión, 1991:27); if the

hacienda lies between the named towns, it is unlikely that it extends to Provincia de Esmeraldas as described.

HACIENDA LELIA (Barros, 1956:116); see Lelia.

HACIENDA MAPOTO; Tungurahua Not located
7,000 ft [2,125 m], in humid forests, on route between Baños [0124S/7825 (USBGN)] and Canelos [0135S/7745 (USBGN)], on Río Pastaza [0455S/76224 (USBGN)], Stolzmann, Dec. 1883-Feb. 1884 (Taczanowski & Berlepsch, 1885:67ff); 1,237 m, near Baños, collector?, date? (Menegaux, 1909:98, as "Mapoto"); although the altitudes differ significantly, presumably the locality is the same; probably near the mouth of Río Mapoto [0125S/7815 (USBGN)], which is below Baños on Río Pastaza; Clarke-Macintyre Coll., Feb. 1939 (FMNH).

HACIENDA MI CIELO; Pichincha Not located
3,000-3,700 m, on eastern side of Pichincha [0010S/7833 (USBGN)], Ortiz-Crespo, 17 May 1969 (Ortiz-Crespo, 1974:352; Ortiz-Crespo & Carrión, 1991:28-29).

HACIENDA MONJAS; Pichincha 0014S/7837 (USBGN)
Alt.?; SW of Quito [0013S/7838 (USBGN)], near Lloa [0015S/7835 (USBGN)]; does not appear on the maps available to us; Rivet, between ca. 1899-1906 (Menegaux, 1911:31, as "Monjas, Lloa"); presumably this is the correct Hacienda Monjas because of its proximity to Lloa, but there are several others nearby; possibly this refers to the mountain Monjas [0013S/7828 (USBGN)], also near Lloa.

HACIENDA PACARITAMBO; Guayas Not located
Alt.?; 160 km [presumably by road] N of Guayaquil [0210S/7950 (USBGN)], near Quevedo [0102S/7929 (USBGN)], Los Ríos, in Cantón Balzar [0122S/7953 (USBGN)], northern Guayas, Brosset, at 5 ha plot at northern limits of arid region, 18-28 May, 15-20 June 1962, 10-15 Feb 1963 (Brosset, 1964:1, also as "Pacaritambo").

HACIENDA PALUGUILLO; Pichincha 0015S/7818 (USBGN)
ca. 9,500 ft [2,900 m] (Moore, 1934d:98, as "Paluguillo"); ca. 12 km E of Quito [0013S/7830 (USBGN)] and 6 km E of Cerro Ilaló [0016S/7824 (USBGN)] (Hoja CT ÑIII-B3); Ortiz-Crespo, 17 May 1969 (Ortiz-Crespo, 1974:352); Schmitt, at 3,450 m, 8 July 1989 (WFVZ, as "Paluguillo"; Marin, in litt.).

HACIENDA PARAMBA; Imbabura 0049N/7821 (USBGN)
777 m (Brown, 1941, Ann. Entom, Soc. Amer., **34**:840); 3,500 ft [1,050 m] (Chapman, 1926a; 714); in northernmost Imbabura on southern bank of Río Mira [0136N/7901 (USBGN)], 8 km NW of La Carolina [Carolina, 0047N/7818 (USBGN)] (Mapa, 1957, as "Paramba"); forested with open country nearby to E (Chapman, 1926a:714); parts of valley very dry (Brown, 1941, loc. cit., p. 840); Miketta, July 1895, Aug., Nov. 1898 (FMNH), 17 Mar. 1899, Flemming, 12 Sept. 1899, 15 Jan. 1900 (CM); Rosenberg and collectors, various dates Oct. 1897-22 Aug. 1899 (FMNH; MCZ; Hartert, 1898, 1901, 1902); Flemming, various dates, Mar. 1899-Jan. 1900, Bishop, Jan. 1900, Osgood and Anderson, May 1912, Olallas, at "montes de Parambas," July 1935 (FMNH); Gómez, 5, 16 June 1941 (USNM, as "Mingalito [not located], Paramba") and 18, 22 June 1941 (USNM, as "Perro [not located], Paramba"); Cory, 1918 , Field Mus. Nat. Hist. Publ., Zool. Ser., **13**, pt. 2, no. 1, p. 84, as "Perambe," p. 189, as "Peramba."

HACIENDA PESILLO; Pichincha 0010N/7804 (USBGN)
ca. 3,000 m, on eastern side of central highlands, ca. 20 km SSE of Ibarra [0021N/7807 (USBGN)] and adjacent to Olmedo [0009N/7805 (USBGN)] (MHA, as "Pesillo"; Mapa, 1950); collector?, date? (Berlepsch, 1912, Verh. 5th Intern. Ornith. Kongr. Berlin, 1910 (1911), p. 1013).

HACIENDA PIGANTA; Pichincha 0009N/7823 (USBGN)
8,500-9,000 ft [2,600-2,750 m], on western slope of Mojanda [0008N/7817 (USBGN)], at junction of subtropical and temperate zones (Chapman, 1926a:715); in extreme north-central Pichincha, ca. 5 km S of Otavalo [0014N/7816 (USBGN)]; not found on our maps; Olallas, Nov. 1920 (FMNH); Söderström Coll., date? (Lönnberg & Rendahl, 1922:15); Söderström, Dec. 1923, Feb. 1924, Olallas, June 1925, Jan. 1928, Dec. 1934 (FMNH).

HACIENDA PINANTURA; Pichincha 0025S/7822 (USBGN)
3,142 m, on trail to Antisana [ca. 0032S/7812 (MHA)], temperate (Brown, 1941, Ann. Entom. Soc. Amer., **34**:841); on eastern slope 20 km SW of Sangolquí [0019S/7827 (USBGN)] (Mapa, 1957, as "Pinantura"); Olalla, 2 Feb. 1930 (MCZ).

HACIENDA PORVENIR Not located
Alt.?; Simons, 10 Mar. 1899 (Chubb, 1919:3, as "Povenir"); Brown (1941, Ann. Entom. Soc. Amer., **34**:842, as "El Porvenir") states

that there is an Hacienda El Porvenir "about a half day's journey W of Hacienda Talahua [0121S/7904 (USBGN)]," another collecting site; Simons was at Hacienda Talahua earlier in March.

HACIENDA PUERTO NUEVO (USNM); see Vinces.

HACIENDA RÍO NEGRO (Hartert & Hartert, 1894:43); see Río Negro.

HACIENDA ROMERILLOS; Pichincha 0035S/7835 (USBGN)
11,000 ft [3,350 m], on [north]eastern slope of Illiniza [0040S/7842 (USBGN)] (Chapman, 1926a:718, as "Romerillos"); not found on maps available to us; Söderström Coll., date? (Lönnberg & Rendahl, 1922:32, as "Romerillos"); Olallas, 4 July 1929 (FMNH, as "Romerillos").

HACIENDA ROSARIO; Pichincha 0026S/7834 (USBGN)
ca. 12,000 ft [3,700 m], 6 mi [10 km] from [W of] Quito [0013S/7830 (USBGN)] in foothills of Pichincha [0010S/7833 (USBGN)], Rhoads and Lemmon, at hacienda and in páramo on Pichincha, Apr.-May 1911 (Rhoads, 1912:142); Chapman, 1926a:700, as "El Rosario."

HACIENDA SAN FRANCISCO (Brown, 1941:834); see San Francisco; Tungurahua.

HACIENDA SAN IGNACIO; Pichincha ? 0023S/7831 (USBGN)
11,000 ft [3,350 m], on eastern side of Pichincha [0010S/7833 (USBGN)], Söderström Coll., date? (Lönnberg & Rendahl, 1922:57, as "San Ignacio"); presumably correctly identified, although actually more S than E of Pichincha; there is another Hacienda San Ignacio in Pichincha at 0012S/7833 (USBGN), but this is directly N of the mountain; Olallas, at "San Ignacio, Pichincha," 22 Aug. 1930, but which one is unknown (CM).

HACIENDA SAN RAFAEL; Guayas 0258S/7947 (USBGN)
Alt.?; on coastal plain of southernmost Guayas, close to Tenguel [0300S/7946 (USBGN)]; not on our maps; McLean, 16 July 1974 (USNM, as "San Rafael").

HACIENDA SANTA CLARA; Pichincha 0019S/7826 (USBGN)
Alt.?; on southeastern outskirts of Quito [0013S/7830 (USBGN)]; not on maps available to us; Olallas, 25 Dec. 1927 (CM, as "Quito (Santa Clara)"); identification fairly certain.

HACIENDA SANTA TERECITA (USNM); see Vinces.

HACIENDA SAN VICENTE; Carchi 0030N/7801 (USBGN)
1,520 m (Simon, 1907:17); on southern border of Carchi on Río Chota [0029N/7804 (USBGN)], 18 km N of Ibarra [0021N/7807 (USBGN)] (MHA, as "San Vicente"); Rivet, ca. 1898-1899 (Simon, 1907:17, as "San Vicente"); identification fairly certain, since we know that Rivet was at Ibarra and in the valley of Río Chota.

HACIENDA SAN VICENTE; Pichincha 0002S/7848 (Prum & Johnson, 1987:522)
1,400-1,700 m, in mossy cloud forest at Mindo [0002S/7848 (USBGN)] on western slope, Prum and Johnson, 11 May-22 June 1985 (Prum & Johnson, 1987:522); hacienda not indicated on our maps; see, also, Mindo.

HACIENDA TALAHUA; Bolívar 0121S/7904 (USBGN)
4,000 m (Chubb, 1919:3); 2,800-3,500 m, on western slope in northern Bolívar, upper limit of humid temperate forest, páramo begins at ca. 3,000 ft [900 m], rainy season Dec.-May (Brown, 1941, Ann. Entom. Soc. Amer., **34**:848); not shown on maps available to us; Simons, 1 Mar. 1899 (Chubb, 1919:3, as "Talahua, Azuay").

HACIENDA TANDA; Pichincha 0000/7820 (USBGN)
2,200 m, 7 km N of Guaillabamba [0004S/7821 (USBGN)], Corado and Marin, 13 July 1990 (WFVZ, as "Tanda"); in Central Valley NNE of Quito [0013S/7830 (USBGN)]; does not appear on maps available to us.

HACIENDA TANLAGUA; see Fanlagua.

HACIENDA TITAICÚN; Chimborazo 0144S/7834 (USBGN)
Alt.?; ca. 25 km E of Riobamba [0140S/7838 (USBGN)], on slopes of Cerro Altar [0140S/7824 (USBGN)]; not on our maps; Fraser, "within one league of perpetual snow," 1858 (Sclater, 1859c:549, as "Titaicun, El Altar").

HACIENDA TRINIDAD; Chimborazo Not located
Alt.?; near Riobamba [0140S/7838 (USBGN)], Olalla, 12 Aug. 1929 (CM).

HACIENDA TUNGURAHUA; see El Rosario; Tungurahua.

HACIENDA TURUBAMBA ALTO; Pichincha 0021S/7832 (USBGN)
9,500 ft [2,900 m], in arid temperate zone, 6 mi [10 km] S of Quito [0013S/7830 (USBGN)] (Chapman, 1926a:721, as "Turubamba"; MHA, as "Turubamba"); Söderström Coll., date? (Lönnberg & Rendahl, 1922:36, as "Tucubamba"); Betantt, July 1925, Mena, Feb. 1927 (FMNH); identification somewhat uncertain as there is contiguous to this an Hacienda Turubamba Bajo [0020S/7832 (USBGN)], but which place was visited cannot be of any biological significance.

HACIENDA VITALIA (Chapman, 1926a:732); see Vitalia.

HACIENDA YAMANA; Loja 0401S/7940 (USBGN)
1,000-1,100 m, southwestern Loja, near head of arid valley of the Río Casanga [0408S/7949 (USBGN)], Norton, 2-9 July, Paynter and Norton, 16-20 Oct. 1965 (MCZ, as "Yamana"); does not appear on our maps.

HACIENDA ZUMBAGUA; Cotopaxi 0058S/7854 (USBGN)
ca. 3,500 m, in western cordillera, 30 km W of Latacunga [0056S/7837 (USBGN)] (MHA, as "Zumbagua"); only USBGN seems to retain the prefix "Hacienda"; Krabbe, on Latacunga/Zumbagua road, 3 Jan. 1991 (Krabbe, 1992a:168, as "Zumbahua").

HATUNTAQUI (Simon, 1907:17); see Atuntaqui.

HIERBABUENA (Mapa, 1957); see Yerbabuena.

HIPPODROMA SANTA CECILIA (Mills, 1957:537); see Guayaquil.

HOLLÍN, RÍO; Napo 0058S/7745 (USBGN)
Rises on southern slope of Volcán Sumaco [0034S/778 (USBGN)] and flows S to meet Río Misahuallí [0102S/7741 (USBGN)], E of Tena [0059S/7749 (USBGN)] (Mapa, 1950); Olalla, at 600 m, May 1945 (FMNH); Moore (1934c:4) cites a Río "Tollin," but in the absence of such a river this is doubtless what was meant.

HOOD ISLAND; Galápagos 0125S/8942 (USBGN)
Also = Isla Española.

HOYAUCSHI; Cañar? Not located
2,829 m, collector?, date? (Menegaux, 1908:98, as "Hoyaxi"); 8,500 ft [2,600 m], S of Huigra [0217S/7859 (USBGN)], Tate, Dec. 1922

(FMNH); correct spelling unknown; this may be the same locality as Yoyaxi [not located], which see, both of which seem to be near the Chimborazo/Cañar boundary.

HOYAXI (Menegaux, 1908:98); see Hoyaucshi.

HUACA; Carchi 0038N/7744 (USBGN)
2,940 m, near Colombian border in northeastern corner of Carchi, 20 km S of Tulcán [0048N/7743 (USBGN)], near Cerro Mirador [0036N/7739 (USBGN)] (MHA; Mapa, 1974); arid temperate zone (Chapman, 1926a:709, as "Guaca"); De Lattre, 184? (Bourcier, 1847, Lyons Soc. Agric. Ann., **10**:623); Jameson, 1854 (Jardine, 1855:116, as "Guaca"); Festa, 9-11 Jan. 1897 (Salvadori & Festa, 1899a:10; Chapman, 1926a:731); Söderström Coll., date? (Lönnberg & Rendahl, 1922:58, as "Hunca").

HUACAMAYO, CORDILLERA DE (Mapa, 1957); see Guacamayo, Cordillera de.

HUACAMAYOS, CORDILLERA DE (Krabbe, 1992b:170); see Guacamayo, Cordillera de.

HUACHI CHICO; see Guacki.

HUAGRAPAMBA; Tungurahua Not located
7,500 ft [2,300 m], on eastern slope, near Baños [0124S/7825 (USBGN)] on Río Pastaza [0455S/7624 (USBGN)], Clarke-Macintyre Coll., 8-10 Dec. 1937 (FMNH; MCZ); Hellmayr & Conover, 1942, Field Mus. Nat. Hist. Publ., Zool. Ser., **13**, pt. 1, no. 1, p. 153, as "Huagropamba"; correct spelling unknown.

HUAGROPAMBA (Hellmayr & Conover, 1942:153); see Huagrapamba.

HUAICO; Loja Not located
Alt.?; Gómez, 4 Sept. 1939 (FMNH; USNM); subtropical/temperate zone as indicated by presence of *Penelope argyrotis barbata.*

HUAMANI, CERRO (Chapman, 1926a:627); see Guamaní.

HUAMANICHUPA, LOMA DE; Pichincha Not located
3,800 m, 15 km SE of Pifo [0014S/7820 (USBGN)], in Cordillera Yanaurcu [? Cerro Yanaurcu, 0025S/7821 (USBGN)], Marin, Holmgren, and Schmitt, 8 July 1989 (WFVZ; Marin, in litt.);

probably not far from Hacienda Paluguillo [0015S/7818 (USBGN)] and Cochaucu [ca. 0016S/7818] locations visited by Schmitt on the same date.

HUANTUPUNGO; Pichincha Not located
Alt.?; on western slope, near Nanegal [0007N/7846 (USBGN)], Rivet, between ca. 1899-1906 (Menegaux, 1911:38, as "Huantupungo, Nanegal").

HUASIHUAICO; Azuay 0246S/7920 (USBGN)
10,000-12,000 ft [3,050-3,650 m], near [= ca. 40 km WNW of] Cuenca [0253S/7859 (USBGN)], Barron, 1893 (Hartert & Hartert, 1894:60, as "Guasi Guaico"); this does not appear on our maps and may not be correctly identified, since 40 km would not seem *near* Cuenca.

HUERTAL NEGRA (USNM); see Huerta Negra.

HUERTA NEGRA; Guayas ca. 0300S/7946
Alt.?; extreme southern Guayas, 20 km ESE of Balao [0255S/7949 (USBGN)], near and E of Tenguel [0300S/7946 (USBGN)], McLean, 14-15 July, 26-28 Aug., 24-26 Sept., 24 Nov. 1974, 24 Jan., 20-22 Aug. 1975, 10, 29-30 Oct., 21 Nov. 1976 (USNM, sometimes as "Finca Negra" and "Huertal Negra"); also see Tenguel.

HUIGRA; Chimborazo 0217S/7859 (USBGN)
1,220 m (Brown, 1941, Ann. Entom. Soc. Amer., **34**:829); in upper valley of Río Chanchán [0217S/7924 (USBGN)], 18 km SW of Alausi [0202S/7850 (USBGN)] (MHA; Mapa, 1957); subtropical, semi-arid, Rhoads and Lemmon, 12-23 Feb. 1911 (Chapman, 1926a:13, 710); Rhoads, 18 Mar. 1911 (WFVZ); collector?, Aug. 1913 (FMNH); Chapman and Cherrie, 23 May 1916 (Chapman, 1926a:19).

HUILA; Napo ? Not located
Alt.?; in region of upper Río Napo [0320S/7240 (USBGN)], collector?, date? (Orces, 1944:120; Hellmayr & Conover, 1942, Field Mus. Nat. Hist. Publ., Zool. Ser., **13**, pt. 1, no. 1, p. 120); in upper tropical or subtropical zone, as indicated by presence of *Nothocercus bonapartei plumbeiceps* and *Chlorophonia cyanea;* to be distinguished from Huila [0003N/7853 (USBGN)], Pichincha, on western slope; also see Thuila.

HUILA; Pichincha 0003N/7853 (USBGN)
ca. 1,000-1,500 m, on lower western slope, 9 km NW of Mindo [0002S/7848 (USBGN) (Mapa, 1957, as "Huilla"); d'Espinay Coll., July 1922 (Berlioz, 1928b:438, 440); Olallas, June 1938 (FMNH); not to be confused with the Huila [not located] on the upper Río Napo [0320S/7240 (USBGN)].

HUILCA; Morona-Santiago Not located
4,000 ft [1,225 m], W of Macas [0219S/7807 (USBGN)], Feyer, date? (Chapman, 1926a:5); also see Guilca and Guilea.

HUILLA (Mapa, 1957); see Huila; Pichincha.

HUNCA (Lönnberg & Rendahl, 1922:58); see Huaca.

IAGUACHE; Los Ríos Not located
Alt.?; Söderström Coll., 1 July year? (Lönnberg & Rendahl, 1922:54); Lönnberg & Rendahl (op. cit.) record one specimen from "Babahoyo, Iaguache," two from "Iaquache, Naranjito, Babahoyo," and still another from "Milagro, Jaguache"; the locality is probably in Los Ríos in the general area of Babahoyo [0149S/7931 (USBGN)], Naranjito [0213S/7929 (USBGN)], and Milagro [0207S/7936 (USBGN); the spelling is uncertain.

IAMA Not located
Alt.?; Gómez, 21 Apr. 1942 (USNM); probably a misspelling of Gima, which see,

IAQUACHE (Lönnberg & Rendahl, 1922:55); see Iaguache.

IBANA (Lönnberg & Rendahl, 1922:29); see Ibarra.

IBARRA; Imbabura 0021N/7807 (USBGN)
2,211 m, on Río Taguando [0024N/7808 (USBGN)] in arid inter-Andean plain, S of Río Chotá [0029N/7804 (USBGN)] (Brown, 1941, Ann. Entom. Soc. Amer., 34:829; MHA); open country,

mostly cultivated, Festa, 25 Mar.-1 Apr. 1897 and at nearby Laguna de Yaguarcocha [0022N/7807 (USBGN)], 29-31 Dec. 1896 (Chapman, 1926a:710, 731); Rosenberg, date? (Hartert, 1898:478); Goodfellow and Hamilton, between 1898-1899 (Oberholser, 1902:309); Rivet, ca. 1898-1899 (Simon, 1907:17); Söderström Coll., nearby at Lago "Jaguarcocha" [Yaguarcocha], date? (Lönnberg & Rendahl, 1922:29, as "Ibana"); Rosenberg Coll., at 7,000 ft [2,150 m], 2 June 1899 (Hartert, 1902:605); Olallas, Sept. 1935 (FMNH); Berlioz, Aug. 1936 (Berlioz, 1937a:404); Olalla, as "Valles de Ibarra," May 1937, Olalla, July 1944 (FMNH); Ross, et al., Aug. 1986 (Evans, 1988:76).

IBARRA, VALLES DE (FMNH); see Ibarra.

ICHIMBIA; Pichincha 0013S/7830 (USBGN)
9,600 ft [2,925 m], mountain "above Quito [0013S/7830 (USBGN)], eastern side," Söderström Coll., date? (Lönnberg & Rendahl, 1922:79); not indicated on maps available to us.

ILALO (Simon, 1907:20); see Ilaló, Cerro.

ILALÓ, CERRO; Pichincha 0016S/7824 (USBGN)
3,187 m, SE of Quito [0013S/7830 (USBGN)] in Chillo Valley [0020S/7827 (Brown, 1941:821)] (Hoja CT ÑIII-B3); Goodfellow and Hamilton, Nov. 1898 (Oberholser, 1902:338, as "Illalo"); Rivet, ca. 1898-1899 (Simon, 1907:17, as "Cerro Lalo," p. 20, as "Ilalo").

ILAMBO Not located
Alt.?; in "Occidente" (Stresemann, 1938:117); d'Espinay Coll., May 1922 (Berlioz, 1928b:439); Olallas, 17 May 1930 (Stresemann, 1938:117); Olallas, June 1930 (FMNH); numerous records of tropical/subtropical taxa.

ILANA; Imbabura Not located
8,000 ft [2,450 m], near and N of Yaguarcocha [0022N/7806 (USBGN)] and Ibarra [0021N/7807 (USBGN)], Söderström Coll., date? (Lönnberg & Rendahl, 1922:26, as near "Jaquarcocha," p. 71, as near "Jaguarcocha"; Cory & Hellmayr, 1927, Field Mus. Nat. Hist. Publ., Zool. Ser., 13, pt. 5, p. 9, as near "Taguarcocha").

ILINESA (Hellmayr & Conover, 1948:351); see Illiniza.

ILINIZA (Chapman, 1926a:710); see Illiniza.

ILLALO (Oberholser, 1902:338); see Ilalo, Cerro.

ILLINIZA; Pichincha/Cotopaxi 0040S/7842 (USBGN)
5,305 m, small snow-capped peak ca. 30 km W of Cotopaxi [0040S/7826 (USBGN)] (MHA); Festa, on flanks, 17 June 1897 (Chapman, 1926a:710, 731, as "Iliniza"); Festa, also in páramos, June 1897 (Salvadori & Festa, 1899b:2, as "Iliniza"); Rivet, at ca. 4,000 m, ca. 1898-1899 (Simon, 1907:17, as "Iliniza," p. 19, as "Mont Lniza"); Söderström Coll., date? (Lönnberg & Rendahl, 1922:19ff, sometimes as "Iliniza"); Olallas, Dec. 1928, Mar. 1930 (FMNH); Spillmann Coll., 8-16 Apr. 1931 (Stresemann, 1937a:75-77, as "Monte Iliniza"); Gómez, Feb. 1941 (FMNH); Hellmayr & Conover, 1948, Field Mus. Nat. Hist. Publ., Zool. Ser., **13**, pt. 1, no. 2, p. 351, as "Ilinesa"); Krabbe, on slopes at 0053S/7843 and 3,200 m, 3 Jan. 1991 (Krabbe, 1992b:173).

ILLOTE, PUNTA; Manabí 0137S/8051 (USBGN)
Sea level, point on coast of southern Manabí, just S of Isla Salango [0136S/8052 (USBGN)] (MHA); Schmitt, 22 Jan. 1933 (USNM).

IMBABURA, PROVINCIA DEL 0002N/7825 (USBGN)
Northern Ecuador; bounded on S by Pichincha, on E by Napo, on N by Carchi, and on W by Esmeraldas.

IMBANA, CERRO; Loja ? 0338S/7904 (USBGN)
2,600-2,800 m (de Schauensee, 1951:8); not shown on maps available to us, but coordinates seen to indicate at the junction of Loja, Azuay, and Zamora-Chinchipe; Pérez, 20 Jan. 1948 (de Schauensee, 1951:8, as "Mt. Imbana, Loja"; Norton, et al., 1972:893, as "Portete Imbana").

IMBANA, PORTETE (Norton, et al., 1972:893); see Imbana, Cerro.

INDEFATIGABLE ISLAND; Galápagos 0038S/9023 (USBGN)
Also = Isla Santa Cruz.

INGA (Lönnberg & Rendahl, 1922:47); see El Inca.

INTAC (Chapman, 1926a:710); see Intag.

INTAG; Imbabura ca. 0024N/7836 (Chapman, 1926a:map)
3,900 ft [1,200 m], on Río Llurimaguas [0018N/7858 (USBGN)], N of Cordillera de Intag [0008N/7850 (USBGN)], subtropical zone

(Chapman, 1926a:map, as "Intac"; p. 240, as "Pintag"); not on our maps; Buckley, date? (Sclater & Salvin, 1878:439, as "Intaj"); Festa, June 1897? (Salvadori & Festa, 1899a:13, as "Intac"; Chapman, 1926a:731); Goodfellow and Hamilton, July-Aug. 1898 (Goodfellow, 1901:309, p. 461, as "Intaj"); Rivet, ca. 1898-1899 (Simon, 1907:17, as "Intac"); Söderström Coll., date? (Lönnberg & Rendahl, 1922:53); Hellmayr & Conover, 1949, Field Mus. Nat. Hist. Publ., Zool. Ser., 13, pt. 1, no. 4, p. 77, as "Intaq"); site of private Reserva de Bosque Nublado de Intag, W of Otavalo [0014N/7816 (USBGN)] en route to Apuela [0021N/7828 (USBGN)] (Ortiz & Carrión, 1991:26).

INTAG, RESERVA DE BOSQUE NUBLADO DE; see Intag.

INTAJ (Sclater & Salvin, 1878:439); see Intag.

INTAQ (Hellmayr & Conover, 1949:77); see Intag.

IPIALES (Chapman, 1926a:731, as "Ipialis"); in Colombia; erroneously attributed to Ecuador.

IPIALIS (Chapman, 1926a:731); error for Ipiales, Colombia.

ISABELA, ISLA; Galápagos 0030S/9106 (USBGN)
Also = Albermarle Island.

ISIDRO AYORA; Guayas 0153S/8008 (USBGN)
20-30 m (Simon, 1907:16); in central part of province, 14 km W of Daule [0150S/7956 (USBGN)] (MHA, as "Soledad"); Rivet, ca. 1898-1899 (Simon, 1907:16, as "La Soledad").

ITAGUA Not located
Alt.?; "Occidente," Olallas, June 1930 (FMNH).

ITULCACHE, BOCAS DEL (Hellmayr & Conover, 1949:148); see Hacienda Itulcachi.

ITULCACHE, ROCAS DE (FMNH); see Hacienda Itulcachi.

JAGUACHE (Lönnberg & Rendahl, 1922:55); see Iaguache.

JAGUARACOCHA (Lönnberg & Rendahl, 1922:19); see Yaguarcocha.

JAGUARCOCHA (Lönnberg & Rendahl, 1922:71); see Yaguarcocha.

JAMA; Manabí 0011S/8016 (USBGN)
Sea level, on coastal plain of northern Manabí, 5 km from mouth of Río Jama [0011S/8016 [?] (USBGN); longitude appears erroneous as all maps show mouth ca. 02' farther W] (MHA; Mapa 1974); Marchant, 1950s (Marchant, 1958:379).

JAMBELÍ; Guayas 0204S/8045 (USBGN)
Sea level, SW of Colonche [0201S/8040 (USBGN)] on north side of Península de Santa Elena [0215S/8050 (USBGN)]; not found on maps available to us; beaches visited by Fuentes, 10 Sept. 1965 (Fuentes, 1966?:11); not the Jambelí [0324S/8015 (USBGN)] on Isla Tembleque [0325S/8014 (USBGN)].

JAMBELÍ, ISLA; El Oro 0320S/8004 (USBGN)
Sea level, very large, low island close to the coast of central El Oro, W of Machala [0316S/7958 (USBGN)] (MHA; Mapa, 1974); outer shores sandy, inner shores and interior covered by mangroves, Gill, 31 Oct.-4 Nov.1921, Chapman, et al., 18 July 1922 (Chapman, 1926a:20, 710); village of Jambelí [0324S/8015 (USBGN)] not here but on nearby Isla Tembleque [0325S/8014 (USBGN)].

JAMBILLO (Chapman, 1926a:300); see Tambillo.

JAMES ISLAND; Galápagos 0014S/9045 (USBGN)
Also = Isla San Salvador or Isla Santiago.

JAPAYO, RÍO (Hartert, 1902:600); see Zapallo Grande, Río.

JAPLON (Oberholser, 1902:320); see Tablón.

JAQUARCOCHA (Lönnberg & Rendahl, 1922:26); see Yaguarcocha.

JARAMIJÓ; Manabí 0057S/8038 (USBGN)
Sea level, on coast of southern Manabí, 7 km E of Manta [0057S/8044 (USBGN)] (MHA; Mapa, 1974); Fuentes, on beaches, 7 Sept. 1965 (Fuentes, 1966?:10).

JARAMILLO, PÁRAMOS DE; Tungurahua 0112S/7826 (USBGN)
ca. 3,000-4,000 m (MHA); not indicated on our maps; appear to be about midway between Ambato [0115S/7837 (USBGN)] and Puyo [0128S/7759 (USBGN)], in Cordillera de la Llanganates [0013S/7815 (USBGN)]; Loch, ca. 1935-1937 (FMNH, as "Paramo de Paramillo"); Koepcke, 1963, Beitr. Neotrop. Fauna, 3:17, as "Páramo de Jaranillo."

JARANILLO, PÁRAMO DE (Koepcke, 1963:17); see Jaramillo, Páramos de.

JARDINERO, ISLA; Gálapagos 0120S/9017 (USBGN)
Also = Gardner Island.

JATUNCOCHA (Ridgely, 1980:242); see Jatuncocha, Laguna.

JATUNCOCHA, LAGUNA; Napo 0100S/7527 (USBGN)
ca. 250 m, small lake on northern side of lower Río Yasuni [0056S/7523 (USBGN)], 10 km SW of Nuevo Rocafuerte [0056S/7524 (USBGN)], extreme eastern Napo (Mapa, 1957, as "Laguna Jatun Cocha"); Ridgely, 17, 19 Sept. 1976 (Ridgely, 1980:242, 246, 248, as "Jatuncocha").

JATÚN RUTUNO YACU (Mapa, 1957); see Rutuno, Río.

JATÚN RUTUNO YACU, RÍO (Mapa, 1974); see Rutuno, Río.

JATÚN SACHA, RESERVA; Napo Not located
300 m, private reserve on southern side of Río Napo [0320S/7240 (USBGN)], near Misahuallí [0102S/7740 (USBGN)], Bochan, dates? (Ortiz-Crespo & Carrión, 1991:26).

JAUNECHE; Los Rios 0120S/7935 (Parker & Carr, 1992:46)
50-70 m, 138 ha reserve in northwestern Los Rios, formerly known as "Estación Cientifica y Reserva Pedro Franco Dávila," moist forest, Conservation International group, 6-9 July 1991 (Parker & Carr, 1992:16, 45-48); not shown on our maps.

JAVARRI, RÍO (Cory & Hellmayr, 1924:16); error for Río Yavari, Peru.

JERVIS ISLAND; Galápagos 0024S/9042 (USBGN)
Also = Isla Rábida.

JIMA (Chapman, 1926a:711); see Gima.

JINA (Sclater & Salvin, 1877:521); see Gima.

JIVINO, RÍO; Napo 0026S/7637 (USBGN)
Small left-bank tributary of upper Río Napo [0320S/7240 (USBGN)] (Mapa, 1974); Pearson, at river near Limóncocha [0025S/7638 (Norton, 1965:2)], 16 Sept. 1971 (Pearson, 1974, Wilson Bull., **86**:290).

JIPUTINI (Zimmer, 1943:5); see Tiputini, Río.

JOMBACO (Oberholser, 1902:341); see Tumbaco.

JOYAPAL; Cañar ca. 0229S/7910 (Mapa, 1957)
900 m (van Oosten, in litt.); on lower slopes of western Cañar, on highway ca. 9 km W of Chontamarca [0226S/7908 (USBGN)] (Mapa, 1957); van Oosten, Aug. 1965, Aug. 1967 (van Oosten, in litt.).

JUAN GÓMEZ RENDÓN; Guayas 0224S/8022 (USBGN)
ca. 100 m, on Península de Santa Elena [0215S/8050 (USBGN)], 58 km SW of Guayaquil [0210S/7950 (USBGN)] and same distance SE of Santa Elena [0214S/8051 (USBGN)], formerly named Progreso (Mapa, 1950; Mapa 1974); Marchant, 195? (Marchant, 1958:358).

JUAN MONTALVO; Los Ríos Not located
Alt.?; Clarke-Macintyre Coll., 7-8 Mar. 1938 (WFVZ; LACMNH); possibly an error for Montalvo [*olim* Playas, 0148S/7920 (USBGN)], as none of the Juan Montalvos cited in USBGN occur in Los Ríos.

JUBONES, RÍO; El Oro/Loja 0313S/7957 (USBGN)
Rises deep in interior of southern mountains NW of Saraguro [0336S/7913 (USBGN)] and with numerous tributaries drains much of the region, emptying into Canal de Jambelí [0300S/8000 (USBGN)], N of Machala [0316S/7958 (USBGN)] (MHA; Mapa, 1950; Mapa, 1957); Gill, 6-10 Nov. 1921 (Chapman, 1926a:20); there is no evidence that the upper part of the river is called "Río Rompido," as stated by Chapman (1926a:718), and the dates he gives there (loc. cit.) for Gill are erroneous, although they are correct earlier in the same volume.

JUIBE (MCZ); see Juivi.

JUIVE (MCZ); see Juivi.

JUIVES (MCZ); see Juivi.

JUIVI; Tungurahua 0123S/7824 (USBGN)
ca. 2,000 m, on northwestern slope of Volcán Tungurahua [0127S/7826 (USBGN)], near Baños [0124S/7825 (USBGN)], arid temperate zone (Brown, 1941, Ann. Entom. Soc. Amer., **34**:818); does not appear on our maps; Clarke-Macintyre Coll., 2-3, 7 Dec. 1937, 11, 18, 27 Jan. 1938 (MCZ, as "Juives," "Juive," and "Juibe").

JUMBACA (FMNH); see Tumbaco.

JUNGILLA (Menegauz, 1911:100); see Yunguilla; Pichincha.

JULIAN Not located
Alt.?, collector?, 16 Apr. 1901 (MCZ); perhaps a misspelling of Julia [0142S/7932 (USBGN) or 0206S/7952 (USBGN)].

KILENDAÑA (Goodfellow, 1902:226); see Quilindaña.

KINGORA, LAGUNA DE; Azuay Not located
Alt.?; northeastern Azuay, near Sígsig [0301S/7845 (USBGN)], Festa, 2 Nov. 1895, 23-26 July 1896 (Salvadori & Festa, 1899a:11; 1900:39; Chapman, 1926a:731); doubtless misspelled.

LA AVANZADA; El Oro 0333S/7959 (USBGN)
ca. 100 m, interior southernmost El Oro, 12 km E of Arenillas [0333S/8004 (USBGN)] and 47 km WNW of Piñas [0342S/7942 (USBGN)] (Mapa, 1974); Ridgely, et al., on road between Piñas and La Avanzada, 400 m, 24 June 1985 and at 900 m, 6 Aug. 1988 (Robbins & Ridgely, 1990:62); Gardner, Corado, Kiff, and Carrión, 6 km SE, 2 Mar. 1989 (WFVZ, also as "Avanzada").

LA BOCA; Esmeraldas 0100N/7940 (Norton, et al., 1972:893)
Sea level, near Esmeraldas [0059N/7942 (USBGN)] and mouth of Río Esmeraldas [0058N/7939 (USBGN)], Olalla, 7-27 Mar. 1962 (Norton, et al., 1972:890, 893; MCZ); this may merely indicate that the collection comes from the mouth of the river rather than being a proper name.

LA BONITA; Napo 0029N/7730 (USBGN)
ca. 1,500 m, in northwestern Napo, at mouth of a tributary [name ?] of Río Chingual [0003N/7710 (USBGN)], which is an affluent of Río Aguarico [0059S/7511 (USBGN)] (Mapa, 1957); Olalla, 15 Jan. 1963 (MCZ).

LA CAROLINA; Guayas (Campbell, 1976:155); see Carolina.

LA CAROLINA; Pichincha Not located
9,300 ft [2,850 m], on northern border of Quito [0013S/7830 (USBGN)], once an area of hundreds of acres of low-lying land, flooded Jan.-Apr. but from May-Nov. the water limited to drainage systems and small tracts covered with aquatic vegetation, later became largely pasture land, bounded on E and W by highways (Chapman, 1926a:711); now part of Quito suburbs (Lévêque, 1964:52); Goodfellow and Hamilton, between Dec. 1898-Jan. 1899 (Goodfellow, 1902:222, 227, as "Santa Carolina"); collector?, 2 Nov. 1910 (FMNH); Söderström Coll., date? (Lönnberg & Rendahl, 1922:20ff).

LA CHAMERA, LAGUNA; Esmeraldas Not located
Alt.? [sea level?]; 3 km NE of Same [? Punta Same, 0222S/8001 (USBGN)], observer?, date? (Ortiz-Crespo & Carrión, 1991:27).

LA CHIQUITA; see San Lorenzo.

LA CHONTA; El Oro 0335S/7953 (USBGN)
2,000 ft [600 m], on trail to Zaruma [0341S/7937 (USBGN)],

between Santa Rosa [0327S/7958 (USBGN)] and El Chiral [ca. 0338S/7941 (Chapman, 1926a:map)], humid tropics, Cherrie and Gill, 22-28 July 1921 (Chapman, 1926a:711); not shown on our maps.

LA CLEMENTINA; Guayas (Vuilleumier, 1978:22); see La Clementina; Los Ríos.

LA CLEMENTINA; Los Ríos 0147S/7936 (USBGN)
Alt.?; southernmost Los Ríos, between Babahoyo [1049S/7931 (USBGN)] and Baba [0147S/7940 (USBGN)]; does not appear on our maps; Vuilleumier, 24-25 Aug. 1964 (Vuilleumier, 1978:22, 28, as "La Clementina, Guayas").

LA CONCEPCIÓN; Carchi 0036N/7807 (USBGN)
5,050 ft [1,525 m] (Chapman, 1926a:707, as "Concepción"); on right bank of uppermost Río Mira [0136N/7901 (USBGN)], below mouth of Río Chota [0029N/7804 (USBGN)], 5 km W of Juan Montalvo [0035N/7804 (USBGN)] and 25 km N of Ibarra [0021N/7807 (USBGN)] (MHA; Mapa, 1950; Mapa, 1974); Festa, from subtropics to páramo, 2-30 Apr. 1897 (Chapman, 1926a:707, 731; Salvadori & Festa, 1900:13); both Salvadori & Festa (loc. cit.) and Chapman (loc. cit.) erroneously treat La Concepción as being in the valley of the Río Chota.

LA CONCORDIA; Pichincha ca. 0002N/7924 (Mapa, 1974)
ca. 300 m, northwestern Pichincha, on highway to Esmeraldas [0059N/7942 (USBGN)], 40 km NW of Santo Domingo de los Colorados [0015S/7909 (USBGN)] (Mapa, 1974); Corado, 22 Aug. 1990 (WFVZ, as "Concordia").

LADRILLO; Pichincha Not located
Alt.?; Mena, 1 June 1939 (LACMNH).

LAGARTOCOCHA (Orces, 1974:8); see Lagartococha, Río.

LAGARTOCOCHA, RÍO; Napo 0039S/7516 (USBGN)
A tributary on northern side of lower Río Aguarico [0059S/7511 (USBGN)] in northeastern Napo, forming part of the Peru/Ecuador border; Olallas, at "Voca [Boca] Lagarto Cocha," 14, 27 Nov. 1925, 15-22, 24-26 Jan. 1926 (MCZ; USNM); Olalla, 13, 17 Dec. 1967 (Orces, 1974:8, 10, as "Lagartococha"); also see Lagarto Yacu.

LAGARTO YACU Not located
Alt.?; in eastern lowlands (Hellmayr & Conover, 1942, Field Mus. Nat. Hist. Publ., Zool. Ser., **13**, pt. 1, no. 1, p. 18); Olallas, Oct. 1929 (FMNH); probably equivalent to Rio Lagartococha [0039S/7516 (USBGN)], Napo, which see.

LAGO AGRIO; Napo ca. 0006N/7653 (Mapa, 1974)
ca. 300 m, town in northern central Napo on left side of upper Río Aguarico [0059S/7511 (USBGN)], 60 km ENE of Puerto Francisco de Orellana [*olim* Coca, 0028S/7856 (USBGN)] (Mapa, 1974; Mapa, 1990, as "Nueva Loja (Lago Agrio)"); McLean, at ca. Km 61 [Cerro Lumbaquí, 0000/7718 (USBGN)] on Quito [0013S/7830 (USBGN)]/Lago Agrio road, 16-19 Feb. 1975 (USNM); Greenfield, on road between here and Coca, 28-29 Mar. 1979 (Ridgely, 1980:243); Marin, 10 km S on road to Coca, 11 Dec. 1991 (WFVZ).

LAGUANO; Napo Not located
Alt.?; on Río Napo [0320S/7640 (USBGN)], Osculati, date? (Bourcier, 1853, Rev. Mag. Zool., ser. 2, **5**:296).

LA JUNA; Imbabura or Carchi Not located
Alt.?; above valley of the Río Chota [0029N/7804 (USBGN)], Goodfellow and Hamilton, date? [Apr.1898?] (Oberholser, 1902:317); probable misspelling of Las Juntas or Laguna.

LALAYA; Pichincha Not located
Alt.?; Gómez, 6 May 1939 (USNM); collector?, date? (Hellmayr & Conover, 1949, Field Mus. Nat. Hist. Publ., Zool. Ser., **13**, pt. 1, no. 4, p. 30); presence of *Chondrohierax uncinatus* is indicative of the tropical zone.

LA LIBERTAD; Guayas 0214S/8057 (USBGN)
Sea level, on northern coast of Península de Santa Elena [0215S/8057 (USBGN)], 8 km E of Salinas [0213S/8058 (USBGN)] (Mapa, 1950; Mapa, 1957, as "Libertad"); Berlioz, observations, 1936 (Berlioz, 1937a:394-395); Marchant, in general area, Oct. 1954-Aug. 1957 (Marchant, 1958:349); Fuentes, on beaches, 9 Sept. 1965 (Fuentes, 1966?:10); Mills, in vicinity, 5-8 May, 2 mi [3 km] N, 5 May, 8 km E, 6 May 1966 (Mills, 1967:534, 536).

LA LIBERTAD; Pichincha (WFVZ); see Hacienda La Libertad.

LALO, CERRO (Simon, 1907:17); see Ilaló, Cerro.

LA MANÁ; Cotopaxi ca. 0059S/7917 (Mapa, 1957)
ca. 250 m, extreme western Cotopaxi, on highway, on eastern edge of coastal plain, 20 km ESE of Quevedo [0102S/7929 (USBGN)] (Mapa, 1957); collector?, 11 Dec. 1966 (MCZ).

LAMAS; Tungurahua Not located
ca. 2,000 m, on eastern slope, near Baños [0124S/7825 (USBGN)] (Orces, 1944:116).

LAMBARANDON (Hellmayr & Conover, 1949:186); see Samborondón.

LAMBEDERO (Chapman, 1926a:711); error for Lamedero, now in Peru.

LAMEDERO (Chapman, 1926a:711, as "Lambedero"); now in Peru.

LA MERCED; Loja Not located
Alt.?; Loch, ca. 1935-1937 (FMNH).

LA MERCED; Pichincha 0018S/7824 (USBGN)
2,300 m (Kiff, et al., 1989:27); 10 km SE of Quito [0013S/7830 (USBGN)], at southern base of Cerro Ilaló [0016S/7824 (USBGN)] and NE of Sangolquí [0019S/7827 (USBGN)] (Hoja CT ÑIII-B3); Marin and Sibley, 25 July 1987 (Kiff, et al., 1989:27).

LANIBARONDÓN (Hellmayr & Conover, 1949:30); see Samborondón.

LANLIN; Pichincha Not located
Alt.?; near Nanegal [0007N/7846 (USBGN)] on western slope, Rivet, between ca. 1899-1906 (Menegaux, 1911:7, as "Lanlin, Nanegal"); Chapman, 1926a:169, as "Laulin."

LA PALMA; Guayas 0155S/7941 (USBGN)
2-3 m (Simon, 1907:16); on left bank of Río Babahoyo [0210S/7952 (USBGN)], near Samborondón [0157S/7944 (USBGN)], 30 km SE of city of Babahoyo [0149S/7931 (USBGN)] and 35 km NE of Guayaquil [0210S/7950 (USBGN)](MHA); arid tropics (Berlioz, 1932a:228, as "La Palma, Los Ríos"); Rivet, ca. 1898-1899 (Simon, 1907:16); Olallas, Sept.-Oct. 1931 (Berlioz, 1932a:229; CM).

LA PALMA; Los Ríos (Berlioz, 1932a:228); see La Palma; Guayas.

LA PALMA; Pichincha 0019S/7855 (USBGN)
1,000 m, on western slope, ca. 50 km SW of Quito [0013S/7830

(USBGN)], on Río Pilatón [0019S/7857 (USBGN)], Colwell, date? (de Schauensee, 1951:2; 1953:29); not found on our maps; near Alluriquín [0019S/7859 (USBGN)].

LA PALMERA; Tungurahua Not located
Alt.?; on Río Pastaza [0455S/7624 (USBGN)], near Baños [0124S/7825 (USBGN)], Clarke-Macintyre Coll., 23 Dec. 1937 (MCZ; FMNH).

LA PAZ; GRUTO DE (WFVZ); see Bolívar; Carchi.

LA PLATA, ISLA; Manabí 0116S/8106 (USBGN)
ca. 500 ft [150 m], ca. 20 mi [32 km] off coast at [SE of] San Lorenzo [0104S/8054 (USBGN)], arid tropical, steep slopes rise to plateau, 5 mi [8 km] by 4 mi [6 km] at widest, arid plain cut by two ravines, covered with thorny brush, wild cotton, cactus, with some stunted trees, Richardson, 13-19 Mar. 1913 (Chapman, 1926a:21, 711); lighthouse keeper, Nov. 1924, Murphy and Heilner, 17-19 Feb. 1925 (Murphy, 1936, *Oceanic Birds South America,* Vol. 1, pp. 29, 312); Garth, 22 Jan 1933 (USNM); Fricke, 6 Apr. 1936 (CM); Owre, at Punta Machete [not located] at NW tip, Mar., 31 Dec. 1974, 15-17 May 1975 (Owre, 1976); Hurtado, 1981 (Hurtado, 1981); Tickell, 20-21 May 1988, Univ. of Bristol exped., 20 July-1 Sept. 1990, and de Vries, 8-11 Jan. 1992 (Ortiz-Crespo & Agnew, 1992:66, 73); Wetmore, 10 mi [16 km] W, 9 May 1921 (USNM).

LA POZA; Guayas Not located
Sea level, on mainland near Posorja [0244S/8015 (USBGN)], opposite Isla Puná [0120S/8008 (USBGN)], Fuentes, on beaches, 9 Sept. 1965 (Fuentes, 1966?:10).

LA PUENTE; Loja Not located
2,500 ft [775 m], in southwestern part of province, S of Puyango [ca. 0352S/8005 (Mapa, 1974)], dense forest with some clearings, Gill, 8-11 Oct. 1921 (Chapman, 1926a: 20, p. 716, as "Puente").

LAS CAJAS, AREA NACIONAL DE RECREACIÓN; Azuay Not located
3,000-4,200 m, large area in Western Andes of páramo, some temperate forest, patches of *Polylepis*, and lakes, W of Cuenca [0253S/7859 (USBGN)], Ridgely and Wilcove, 20 July 1978, Ridgely, et al., 24 Feb. 1980 (Ridgely, 1980:241, 247; Min. Agricultura Ganaderia, 1986); see, also, Llaviuco, Laguna; Mazán,

Río; and Mazán, Bosque de, all of which are in the same region but whose relationships are unclear.

LA SELVA, HOSTERÍA; Napo 0024S/7639 (English & Bodenhorst, 1991:661)
280 m, on north bank of Río Napo [0320S/7240 (USBGN)], ca. 100 km below Coca [0028S/7658 (USBGN)], low rainforest, English and Bodenhorst, 30 Apr.-17 May, 29 June-5 July 1989, 20-27 May, 9-12 June, July 1990 (Ortiz-Crespo & Carrión, 1991:27; English & Bodenhorst, 1991:661, as "La Selva Lodge").

LA SELVA LODGE (English & Bodenhorst, 1991:661); see La Selva, Hostería.

LA SILVA (Hellmayr, 1937:28); see Silva, Isla.

LAS LOJAS; Guayas 0159S/8001 (USBGN); ca.0201S/7956 (Mapa,1974)
ca. 100 m, on Río Daule [0210S/7952 (USBGN)], 20 km NNW of Guayaquil [0210S/7950 (USBGN)] (Mapa, 1974); collector?, 1889 (USNM, as "Lojas"); identification not certain; Lévêque, 18 Mar. 1962 (Lévêque,1964:61).

LA SOLIDAD (Simon, 1907:16); see Isidro Ayora.

LAS PALMAS (Berlioz, 1932a:620); see Palmas.

LAS PALMERAS (WFVZ); see Chiriboga.

LAS PIÑAS; Loja Not located
3,600 ft [1,100 m], in southwestern part of province, NE of Alamor [0402S/8002 (USBGN)], in narrow valley, heavy forest, Cherrie and Gill, 8-15 Sept. 1921 (Chapman, 1926a:710).

LAS TABLAS; Carchi Not located
600-800 m, near Prov. Imbabura boundry [= ca. ? 0050N/7815], Hidalgo, 22 Oct. 1967 (Orces, 1974:10).

LATACUNGA; Cotopaxi 0056S/7837 (USBGN)
2,771 m, capital of province, arid, temperate, surrounding area mostly cultivated, extensive marshes and deep grass meadows nearby to N (Brown, 1941, Ann. Entom. Soc. Amer., 34:830); Whitacre, Apr. 1825 (FMNH); Festa, 2-3 Dec. 1896 (Chapman, 1926a:711); Barros, nearby, at ca. 4,000 m, 7 July 1951 (Barros, 1953:162);

Krabbe, on Latacunga/Zumbagua [Hacienda Zumbagua, 0058S/7854 (USBGN)] road, 3 Jan. 1991 (Krabbe, 1992a:168).

LA TOLA; Esmeraldas 0112N/7906 (USBGN)
Sea level, coastal village in northern Emeraldas (Mapa, 1950); collector?, date? (Hellmayr, 1937, Field Mus. Nat. Hist. Publ., Zool. Ser., **13**, pt. 10, p. 92).

LA TOLITA; Esmeraldas 0111N/7900 (USBGN)
Sea level, village on coastal Isla de La Tola [0110N/7859 (USBGN)], 7 km S of Limones [Valdes, 0115N/7900 (USBGN)] (MHA); zooarchaeological site, collectors?, dates? (Cadena & Boucard, 1980).

LA TOMA (MCZ); see Catamayo.

LAULIN (Chapman, 1926a:169); see Lanlin.

LA UNIÓN (Taczanowski & Berlepsch, 1884:283); see Llagos.

LA UNION, BAY OF; Guayas Not located
MacFarlane, Oct. 1885, "crossed [from Guayaquil, 0210S/7950 (USBGN)] the large bay of La Union" (MacFarlane, 1887:209); probably a lapsus for "*off* La Union" because there is a village of La Unión [0217S/7950 (USBGN)] across from the city of Guayaquil.

LA UNIÓN DEL TOACHI; Pichincha Not located
Alt.?; Kiff and Gardner, 1 km SE, 13 Mar. 1991 (WFVZ); almost certainly this is La Unión [ca. 1118N/7924 (Mapa, 1957)], which is on the eastern edge of the Pacific lowlands on the Río Toachi [0008N/7918 (USBGN)] in the northwestern corner of the province (Mapa, 1957).

LA VICTORIA Not located
Alt.?; on Río Pastaza [0455S/7624 (USBGN)], collector?, date? (Hellmayr & Conover, 1942, Field Mus. Nat. Hist. Publ., Zool. Ser., **13**, pt. 1, no. 1, p. 187); presence of *Chamaepetes goudotii tschudii* indicative of subtropics.

LA VIRGEN; Pichincha 0019S/7812 (Kiff, et al., 1989:28)
4,000 m, highest point on road from Quito [0013S/7830 (USBGN)] to Baeza [0027S/7753 (USBGN)], Kiff, 1 km E, 20 Oct., Kiff, 1 km W, 20 Oct., Matheus and Kiff, 2 km W at 3,800 m, 16 Oct., Kiff, et

al., same locality, 23 Oct., Schmitt, 3 km W, 23 Oct., 11 km W at 3,400 m, 23 Oct. 1987, Marin, 2 km E, at 3,800 m, 6 Nov. 1991 (Kiff, et al., 1989:25, 28-30; WFVZ); not shown on our maps.

LECHUGAL (Chapman, 1926a:711); now in Peru.

LELIA; Pichincha 0018S/7901 (USBGN)
ca. 700-1,000 m, on western slope, 18 km SE of Santo Domingo de Los Colorados [0015S/7909 (USBGN)] (MHA); Rivet, between ca. 1899-1906 (Menegaux, 1911:107); Barros, Aug. 1951 (Barros, 1956:116, as "Hacienda Lelia").

LÉON, PROVINCIA DE; see Cotopaxi, Provincia de.

LÉON, RÍO; Azuay/Loja 0333S/7916 (USBGN)
Tributary of upper Río Jubones [0313S/7957 (USBGN)], rising through the confluence of several streams NW of Oña [0332S/7910 (USBGN)] (Mapa, 1950; Mapa, 1974); Paynter and Norton, at irrigated patch in arid region 10 km NW of Oña and 1 km W of river at 1,900 m, 2-4 Nov. 1965 (MCZ; Paynter, 1972, Bull. Mus. Comp. Zool., **143**:313).

LIBERTAD (Mapa, 1957); see La Libertad; Guayas.

LICTO; Chimborazo 0148S/7836 (USBGN)
2,844 m, in central highlands, 18 km SE of Riobamba [0140S/7838 (USBGN)] (MHA; Mapa, 1957); Moore, 15 July 1929 (Moore, 1934b:146).

LIGUI; Pichincha Not located
Alt.?; near Santo Domingo de Los Colorados [0015S/7909 (USBGN)], on road from Quito [0013S/7830 (USBGN)], Rivet, between ca. 1899-1906 (Menegaux, 1911:66, 98); the locality is at a higher elevation than Santo Domingo de Los Colorado as indicated by the presence of *Cinnycerthis unirufa*, a subtropical/temperate form, and by *Iridosornis rufivertex*, from the temperate zone.

LIMA PAREJA; Los Ríos Not located
Alt.?; northern Los Ríos, N of Babahoyo [0149S/7931 (USBGN)], 4 km SW of Puebloviejo [0134S/7930 (USBGN)], near or 5 km N of San Juan [0138S/7932 (USBGN)], McLean, 18 July 1964, 2 Oct. 1974, 22-24 Jan. 1975 (USNM; compass directions and distances inconsistent).

LIMNONCOCHA (Ridgely & Robbins, 1988:174); see Limóncocha.

LIMÓNCOCHA; Napo ca. 0025S/7638 (Norton, 1965:2) 300 m, missionary station established 1955 on unspoiled lemon-colored lake in tropical forest [now destroyed], 2 km from mouth of Río Jivino [0026S/7637 (USBGN)], a tributary of Río Napo [0320S/7640 (USBGN)], Norton, 25 June-2 Aug. 1963 (Norton, 1965:2); Stevenson, ca. 25 Apr.-7 May 1964 (Stevenson, 1972:99); Willis, 1965 (Willis, 1979, Rev. Brasil. Biol., **39**:117); Pearson, in vicinity, [3?] 19 July 1971 - [16?] 19 Apr. 1972, 23 Feb.-7 Mar., 23-27 Sept. 1977 (Pearson, 1975b:454; 1980:274; USNM); Arvey, 10-13 Jan. 1972 (LACMNH); E and D Tallman, 1975, 1976 (Tallman & Tallman, 1977; Laybourne, 17 July 1976 (USNM); Tallman, Corkum, & Tallman, 1985, Amer. Midl. Nat., **113**:374-383); Wiley, 10-25 Mar. 1978 (Wiley, 1980: 129); Leck, et al., 13 Apr. 1978 (Leck, 1980:312); Greenfield and Pearson, 20 Oct. 1979, Ridgely and Rowlett, nearby, 11 July 1979 (Ridgely, 1980:243, 244); van den Berg and Bosman, 19, 21, 23 Feb. 1981 (van den Berg & Bosman, 1984:152, 153); Lücker, 1985 (Lücker, 1987:43); Ross, et al., 11-20 July 1986 (Evans, 1988:79); Ridgely & Robbins, 1988:174, as "Limnoncocha."

LIMPIO, LAGUNA DE (MCZ); see Limpiopungu, Laguna de.

LIMPIO, LAGUNA DEL (Krabbe, 1992b:169); see Lipiopungu, Laguna de.

LIMPIOPUNGU, LAGUNA DE; Pichincha 0037S/7828 (USBGN) ca. 3,800 m, on northwestern slopes of Cotopaxi [0040S/7826 (USBGN)] (Hoja CT Ñ-III-D3); Norton, at 3,700 m, 5 Sept. 1964 (MCZ, as "Laguna de Limpio"); Krabbe, 9 Oct. 1983 (Krabbe, 1992b:169, as "Laguna del Limpio").

LITA; Imbabura 0052N/7828 (USBGN) 3,000 ft [900 m] (Chapman, 1926a:712); at junction of Emeraldas, Carchi, and Imbabura, on left bank of Río Mira [0136N/7901 (USBGN)] at mouth of Río Lita [0052N/7827 (USBGN)] (Mapa, 1957); Rosenberg collectors, Flemming, Oct. 1899, with known specific date of 19 Oct., and Miketta, Sept.-Oct. 1899 (FMNH; Park & Atyeo, 1973, Journ. Georgia Entom. Soc., **8**:50); Ross, et al., Aug. 1986 (Evans, 1988:18).

LLAGOS; Chimborazo 0217S/7856 (USBGN)
2,259 m, on Chimborazo/Cañar boundary, 22 km SW of Alausí [0212S/7850 (USBGN)] (Mapa, 1957); humid forests, Stolzmann and Siemiradski, Jan., June-July 1883 (Berlepsch & Taczanowski, 1884:283, 312, also as "La Unión"; Taczanowski & Berlepsch, 1885:67).

LLANGANATES, CORDILLERA DE LOS; Napo/Tungurahua 0113S/7815 (USBGN)
4,689 m, range extending roughly at right angles from the eastern cordillera, about midway between Ambato [0115S/7837 (USBGN)] and Tena [0059S/7749 (USBGN)], reaching its maximum height on Cerro Hermoso [0110S/7812 (USBGN)] (Mapa, 1957); Loch, Jan. 1937 (FMNH); Olalla, Aug.-Sept. 1967 (MCZ, as "Cordillera Llanganates, Tungurahua"); Borrero, 1960, Noved. Colombianas, 1:241, as "Llanganati."

LLANGANATI (Borrero, 1960:241); see Llanganates, Cordillera de Los.

LLAVIUCO, LAGUNA; Azuay Not located
3,000 m, in Area Nacional de Recreación Las Cajas [not located], Ridgely, nearby, 18 July 1979 (Ridgely, 1980:245); also see Mazán, Bosque de, and Mazán, Río, as well as comments under Llaviuco, [Río]; all these localities are in the same region but their relationships are unclear.

LLAVIUCO, [RÍO ?]; Azuay Not located
Valley, presumably containing Río Llaviuco [not located], W of Cuenca [0253S/7859 (USBGN)], 4 km N of [source of?] the Río Mazán [0129S/7913 (USBGN)] valley and separated from it by a ridge 3,850 m high, vegetation similiar to that of Río Mazán valley, ca. 300 ha forested, occupied by Laguna Llaviuco [not located], various workers, mid-July 1979, Sept. 1985, austral summer 1985-1986, late July 1986, Aug. 1987 (King, 1989:141); not indicated on maps available to us but presumably rises on eastern slope of Cordillera de Chanchán [0305S/7930 (USBGN)] and runs parallel to Río Mazán.

LLOA; Pichincha 0015S/7835 (USBGN)
3,577 m, 10 km SW of Quito [0013S/7830 (USBGN)] on southern slopes of Pichincha [0010S/7833 (USBGN)] (Mapa, 1957); Fraser, numerous visits, Feb.-June 1859 (Sclater, 1860b:73-76, 81); collector?, 1884 (USNM); Festa, July 1897? (Salvadori & Festa,

1899a:5; Chapman, 1926a:731); Goodfellow and Hamilton, on swampy grasslands nearby, between 1898-1899 (Goodfellow, 1901:309; 1902:231); collectors?, Sept. 1899 and in surrounding hills ("Lloa Hills"), Jan. 1900 (FMNH); Holstein, in vicinity, 14 Feb., 12-13 Dec. 1899, 20 Jan., 17, 19 Feb. 1900, collector?, 20 Jan. 1911 (USNM); Rivet, between ca. 1899-1906 (Menegaux, 1911:31); Henn, 15 Jan., 1 Feb. 1914 (CM); Söderström Coll., 25 Aug. 1927 (Lönnberg & Rendahl, 1922:78; CM; USNM); Spillmann, Aug.-Oct. 1925 (FMNH); Berlioz, Aug. 1936 (Berlioz, 1937a:404); Gómez, 6 Feb. (LACMNH), 30 Sept. (USNM), and Oct. 1939 (FMNH); also see Urauco.

LLOA HILLS (FMNH); see Lloa.

LLOA-URABUCO (Hellmayr & Conover, 1942:152); see Lloa-Uraucu.

LLOA-URAUCU; Pichincha Not located
Alt.?; Olallas, Oct. 1930 (FMNH); probably is Quebrada Uraucu [0015S/7837 (USBGN)] at Lloa [0015S/7835 (USBGN)] on southwestern outskirts of Quito [0013S/7830 (USBGN)]; Hellmayr & Conover, 1942, Field Mus. Nat. Hist. Publ., Zool. Ser., **13**, pt. 1, no. 1, p. 152, as "Lloa-urabuco."

LLOGUA Not located
Alt.?; Holstein, date? (USNM); possibly a misspelling of Llagos.

LNIZA, MONT (Simon, 1907:17); see Illiniza.

LOBOS, ISLA; Galápagos 0051S/8934 (USBGN)

LOGROÑO; Morona-Santiago ca. 0237S/7812 (Mapa, 1974)
Alt.?; in valley of Río Upano [0245S/7812 (USBGN)], 18 km NNE of Méndez [0243S/7819 (USBGN)] and 36 km SSE of Macas [0219S/7807 (USBGN)], E of Cordillera Cutucú Occidental [0245S/7805 (USBGN)] (Mapa, 1974); Gill, et al., on and in vicinity of road between Logroño and Yaupi [ca. 0250S/7755 (Mapa, 1974)], 14, 17-19, 26 June, 6-8, 10-14, 17 July 1984 (USNM).

LOJA; Azuay (Chubb, 1919:3); see Loja; Loja,

LOJA; Loja 0400S/7913 (USBGN)
7,200 ft [2,200 m], in broad open valley of Río Zamora [0259S/7813 (USBGN)], close to western base of Eastern Andes, highly cultivated,

arid temperate zone, but patchy temperate forest on mountains flanking valley (Chapman, 1926a:712); Simons, 1 June 1899 (Chubb, 1919:3, as "Loja, Azuay"); Richardson, 11-14 Oct., 8-12 Nov. 1913, Cherrie, 30 Oct.-2 Nov. 1920 (Chapman, 1926a:19-20); Gómez, Mar. 1938 (MCZ); Gómez, in "Loja Valley," June 1939 (FMNH); Bleitz Coll., 14 Nov, 1971 (WFVZ); Norton, 20-29 June, 24-25 July, 8 km S in eucalyptus grove, 27 July, in hills S of Loja and E of upper Río Zamora, 2,300-2,400 m, 28-31 July, at Km 45 on Loja/Zamora [0404S/7858 (USBGN)] road, 1,600 m, 14, 23-26 Aug. 1965 (MCZ); Baron, between Loja and Zamora, 10,000 ft [3,050 m], May 1893 (Hartert & Hartert, 1894:43-64); local collectors for Norton, at Km 25, Loja/Zamora road, 2,100 m, 18, 20-28 Sept., at Km 40, Loja/Zamora road, 1,600 ft, 21, 27-28, 31 Aug., 1-17, 24, 27 Sept. 1965 (MCZ); Ridgely and Finch, on Loja/Zamora road at 2,800 m, 27 Feb. 1980 (Ridgely, 1980:245); Gould, 1872:195, as "Loxa."

LOJA, PROVINCIA DE 0410S/7930 (USBGN)
Southwestern Ecuador; bounded on N by Azuay, on E by Zamora-Chinchipe, on W by El Oro, and on S by Peru; Bleitz Coll., location?, Jan. 1968, Nov. 1971 (WFVZ); Intern. Council Bird Protec. expedition, various localities Jan.-July 1989 (Poulsen, et al., 1989).

LOLITA; Guayas 0212S/7910 (Brown, 1941:833)
285 m, ca. 4 km W of Bucay [0210S/7906 (USBGN)], on railroad, extreme eastern Guayas, near juncture of Guayas, Bolívar, Chimborazo, Cañar, and Guayas (Brown, 1941, Ann. Entom. Soc. Amer., **34**:833); collector?, date? (Chapman, 1926a:277).

LONAMBO (Zimmer, 1943:21); see Conambo.

LÓPEZ (Mapa, 1950); see Puerto López.

LORETO; Napo 0038S/7719 (USBGN)
550 m (de Schauensee, 1951:2); on lower eastern slope on left bank of lower middle Río Suno [0042S/7708 (USBGN)], a tributary of Río Napo [0320S/7240 (USBGN)], 12 km E of Avila [0038S/7725 (USBGN)] and 65 km NE of Tena [0059S/7749 (USBGN)] (Mapa, 1950; Mapa, 1974); Olallas, date? (Norton, et al., 1972:893); Olalla, 11 Feb. 1939 (Stresemann, 1938:117); Carrión, 30 Oct. 1989 (WFVZ); Olallas, below Loreto on Río Suno, 13, 16 Feb. 1929 (CM); Sibley and Carrión, at Km 19 on Narupa [not located]/Loreto

road, on eastern side of Río Hollin [0058S/7745 (USBGN)], 11-20 Mar. 1988 (WFVZ); Olson, 1973, Proc. Biol. Soc. Washington, **86**:408, as "El Loreto"; see, also, Suno, Montes del.

LOS BAÑOS (Chapman, 1922:4); see Baños.

LOS DOS RÍOS; Pichincha Not located
1,200 m, 47 km WSW of Quito [0013S/7830 (USBGN)], on Chiriboga [0015S/7844 (USBGN)] road, Marin and Corado, 14 Aug. 1990 (WFVZ).

LOS HERMANOS; Galápagos 0052S/9048 (USBGN)
Also = Islas Crossman.

LOS LLANOS Not located
Alt.?; collector?, date? (Moore Coll.); "Probably west slope near Balzapamba [0147S/7913 (USBGN)]," possibly in Chimborazo, downstream from Pallantanga [0159S/7857 (USBGN)] at ca. 0203S/7858 (Brown, 1941, Ann. Entom. Soc. Amer., **34**:833).

LOS PERALES; Manabí ca. 0034S/8020 (Fuentes, 1966?:map)
Sea level, near San Vicente [0035S/8024 (USBGN)], on Bahía de Caráquez [0033S/8030 (USBGN)], Fuentes, on beaches, 7 Sept. 1965 (Fuentes, 1966?:10).

LOS RÍOS, PROVINCIA DE 0130S/7925 (USBGN)
West-central Ecuador; bounded on S and W by Guayas, on N by Pichincha and Cotopaxi, and on E by Bolívar; Macintyre Coll., where?, 7 Apr. 1938 (LACMNH); collector?, where?, 19 Nov. 1975 (USNM).

LOS TAYOS; Morona-Santiago 0306S/7812 (Snow, 1979:457)
550-600 m, central Morona-Santiago, in eastern foothills, Snow, et al., ca. 7 July-2 Aug. 1976 (Snow, 1979; 1981); does not appear on our maps but apparently is in valley of lower Río Coango [0303S/7812 (USBGN)], a headwater of Río Santiago [0427S/7738 (USBGN)], ca. 20 km SW of Santiago [ca. 0303S/7802 (Mapa, 1974)].

LOXA (Gould, 1872:195); see Loja; Loja.

LUNAMÁ; Loja Not located
4,600 ft [1,400 m], small valley opening into valley of Río Casanga

[0408S/7949 (USBGN)], N [NE?] of Guachanamá [0402S/7953 (USBGN)], semi-arid, some forests, pastures and tangled, thorny brush, Cherrie and Gill, 12-14 Aug. 1921 (Chapman, 1926a:712).

LUMBAQUÍ (USNM); see Lumbaquí, Cerro.

LUMBAQUÍ, CERRO; Napo 0000/7718 (USBGN)
1,128 m, small, isolated hill between the headwaters of Río Aguarico [0059S/7511 (USBGN)] and those of the Río Coca [0029S/7658 (USBGN)] (MHA; Mapa, 1957, as "Lumbaquí"); McLean, at ca. Km 61 (Cerro Lumbaquí) on Quito [0013S/7830 (USBGN)]/Lago Agrio [ca. 0006N/7653 (Mapa, 1974)] road, McLean, 16-19 Feb. 1975 (USNM, as "Lumbaquí").

MACAL Not located
Alt.?; collector?, date? (Zimmer, 1953, Amer. Mus. Novit., no. 1604, p. 11); reference is to a specimen of *Heliothryx a. aurita*, indicative of eastern lowlands, suggesting that this may be a missprint for Macas [0219S/7807 (USBGN)].

MACAS; Morona-Santiago 0219S/7807 (USBGN)
1,015 m, on west bank of Río Upano [0245S/7812 (USBGN)], near where river emerges from foothills, immediate area cultivated, forest a few km away [still?], typical of upper Amazonian tropics (Brown, 1941, Ann. Entom. Soc. Amer., **34**:833); Rivet, between ca. 1899-1906 (Menegaux, 1911:92); Söderström Coll., date? (Lönnberg & Rendahl, 1922:62); Goding, at Macas and nearby, Dec. 1921 (USNM); Olallas, June 1934 (FMNH); collector?, June 1935 (Berlioz, 1937b:115); Gómez, Sept.-Oct. 1937, Sept., 15 Dec. 1939 (FMNH; MCZ; LACMNH).

MACHACHE (Chapman, 1926a:731-732); see Machachi.

MACHACHI; Pichincha 0030S/7834 (USBGN)
2,933 m, on inter-Andean plateau, 30 km S of Quito [0013S/7830 (USBGN)] (MHA; Mapa, 1957); semi-arid, temperate (Brown, 1941, Ann. Entom. Soc. Amer., **34**:833); Festa, 5 June, 9-10, 20 July, 15 Aug, 1897 (Chapman, 1926a:731-732, as "Machache"); Söderström Coll., date? (Lönnberg & Rendahl, 1922:30, as Machache").

MACHACHILLA (Chapman, 1925c:8); see Machalilla.

MACHALA; El Oro 0316S/7958 (USBGN)
10 m (Brown, 1941, Ann. Entom. Soc. Amer., **34**:834); in center of the coast of El Oro (MHA; Mapa, 1950); collector?, date? (Chapman, 1919, Proc. Biol. Soc. Washington, **32**:257).

MACHALILLA; Manabí 0129S/8046 (USBGN)
Sea level, on coast of southern Manabí (MHA); collector?, date? (Chapman, 1925c:8, as "Machachilla"; 1926a:434); erroneously equated with Machala [0316S/7958 (USBGN)], El Oro by Chapman, (1919:257) and later corrected (Chapman, 1926a:434).

MACHALILLA, PARQUE NACIONAL; Guayas/Manabí ca. 0142S/8046 (Mapa, 1990)
Sea level-800 m, 55,000 ha reserve in southern Manabí and northwestern Guayas, between Manglaralto [0150S/8044 (USBGN)] and Puerto López [0134S/8049 (USBGN)], includes Isla La Plata [0116S/8106 (USBGN)] and Salango [0135S/8051 (USBGN)], dry forest, fog forest, and coastal scrub, Norton, at Salango, date? and Conservation International group, on mainland, 18-24 Jan. 1991 (Ortiz-Crespo & Carrión, 1991:28; Mapa, 1990; Parker & Carr, 1992:14-15, 34-40, 67).

MACHÁNGARA, RÍO; Pichincha 0010S/7825 (USBGN)
Tributary of Río San Pedro [0006S/7825 (USBGN)] rising to SW of Quito [0013S/7830 (USBGN)] and flowing NE around the city to the San Pedro (Mapa, 1950; Hoja CT Ñ III-B3); Fraser, "below Quito," May 1859 (Sclater, 1860b:83); Söderström Coll., date? (Lönnberg & Rendahl, 1922:29); collecting done chiefly near Guápulo (Chapman, 1926a:718), which also see.

MACHAY; Tungurahua 0124S/7816 (USBGN)
1,521 m, old hacienda on northern bank of Río Pastaza [0455S/7624 (USBGN)], upper subtropical zone (Brown, 1941, Ann. Entom. Soc. Amer., **34**:833-834, as "Machi"); at mouth of Río Machay

[0124S/7815 (USBGN)], ca. 15 km E of Baños and near town of Río Negro [0124S/7813 (USBGN)]; not indicated on our maps; Stolzmann, Nov. 1883-Jan. 1884 (Taczanowski & Berlepsch, 1885:67ff).

MACHI (Brown, 1941:833); see Machay.

MACHIYACO Not located
Alt.?; "Oriente," Andes-Amazon Exped., Apr. 1936 (AMNH); Nachigaco [not located], an Olallas locality, which see, may be the same.

MACUL; Los Ríos ? Not located
Alt.?; near Vinces [0132S/7945 (USBGN)], Los Ríos, Lévêque, 18 Mar. 1962 (Lévêque, 1964:55, 61); probably near Río Macul [0138S/7851 (USBGN)] in southwestern Los Ríos.

MACUMA; Morona-Santiago 0209S/7742 (USBGN)
ca. 300 m, on lower slopes, on upper Río Macuma [0244S/7724 (USBGN)], 48 km NE of Macas [0219S/7807 (USBGN)] (Mapa, 1957); a second Macuma is shown on Mapa, 1957 at ca. 0239S/7725, but the first, being nearer the town of Macas and an important Jivaro Indian settlement, is the more likely locality to have been visited by collectors fifty years ago; Gómez, at 2,500 ft [750 m], Jan. 1943 (FMNH, as "Makumma"); collector?, date? (de Schauensee, 1953:39).

MACUMA, RÍO; Morona-Santiago 0244S/7724 (USBGN)
Tributary of Río Cangaime [0253S/7742 (USBGN)] in northeastern Morna-Santiago (Mapa, 1957); Pearson, at 0230S/7705 [*sic*, impossible coordinates for this river], 1 Feb. 1972 (Pearson, 1975a:98).

MAGDALENA, LOMA; Morona-Santiago Not located
3,600 m, just below timberline on eastern slope of Eastern Andes in "Sangay National Park," Ridgely and O"Neill, 9-10 Oct. 1976 (Ridgely, 1980:246).

MAICITO; see El Carmen.

MAKUMMA (FMNH); see Macuma.

MALACATOS; Loja 0414S/7915 (USBGN)
ca. 2,000 m, on western slope of Andes, 25 km SSW of Loja

[0400S/7913 (USBGN)] (Mapa, 1957, as "Malacatus"; Mapa, 1974); Gómez, 7, 20 Aug. 1939 (USNM); Norton, 18 July, and 3 km SW at 1,500 m, 18-21 July 1965 (MCZ).

MALACATUS (Mapa, 1957); see Malacatos.

MALCHINGUÍ; Pichincha 0004N/7820 (USBGN)
2,848 m, 30 km NNE of Quito [0013S/7830 (USBGN)] in valley of upper Río Guaillabamba [0028N/7925 (USBGN)] (Mapa, 1957); Festa, 26-27 Dec. 1896 (Chapman, 1926a:731); Festa, May 1897? (Salvadori & Festa, 1900:43, as "Malcingui, Imbabura"); Rivet, ca. 1898-1899 (Simon, 1907:17); Zimmer, 1936, Amer. Mus. Novit., no 861, p. 8, as "Malchinque, Otovala."

MALCHINQUE (Zimmer, 1936:8); see Malchinguí.

MALCINGUI; Imbabura (Salvadori & Festa, 1900:43); see Malchinguí; Pichincha.

MANABÍ, PROVINCIA DE 0040S/8005 (USBGN)
Northwestern Ecuador; bounded on N by Esmeraldas, on E by Pichincha, on S by Guayas, and on W by the Pacific Ocean; A. and E. Asanza, in coastal region, ca. 29 Oct.-6 Nov. 1986 (Low, 1987a, 1987b).

MANAVÍ (Chapman, 1926a:19); see Bahía de Caráquez and Manta.

MANGAYA Not located
Alt.?; collector?, date? (de Schauensee, 1953:42); apparently on western slope as indicated by presence of *Tityra semifasciata nigriceps.*

MANGLARALTO; Guayas 0150S/8044 (USBGN)
Sea level, on coast N of Península de Santa Elena [0215S/8050 (USBGN)], 20 km NW of Colonche [0210S/8040 (USBGN)] and 44 km NNE of Santa Elena [0214S/8051 (USBGN)] (MHA; Mapa, 1950); collector? [Tate?], date? [May-June 1923?] (Chapman, 1926a:712); Ridgely and Wilcove, 10 km N, 13 July 1978 (Ridgely, 1980:244); Kiff, 24 Feb. 1989 (WFVZ); also see Hacienda El Refugio.

MANGLARALTO, CERRO DE; Guayas Not located
Alt.?; portion of Sierra [Cerros] de Colonche [0200S/8020

(USBGN)] E of town of Manglaralto [0150S/8044 (USBGN)], densely forested, rain daily on western slope, Tate, between 1,200-1,500 ft [375-450 m], May-June 1923 (Chapman, 1926a:712, as "Cerro of Manglar Alto"); does not appear on our maps; see Colonche, Cerros de.

MANGLARES-CHURUTE, RESERVA; Guayas 0230S/7945 (Ortiz-Crespo, 1988:141)
ca. sea level, sanctuary in delta of Río Guayas [0236S/7952 (USBGN)] on Golfo de Guayaquil [0300S/8030 (USBGN)], near town of Churute [0226/7939 (USBGN)], ca. 40 km SE of Guayaquil [0210/7950 (USBGN)], Ortiz-Crespo, 5 Nov. 1987 (Ortiz-Crespo, 1988:141); shown but not named on Mapa, 1990.

MANGOSISA (USNM); see Mangosiza.

MANGOSIZA; Morona-Santiago 0232S/7754 (USBGN)
ca. 300 m, in eastern foothills of Cordillera Cutucú Occidental [0245S/7805 (USBGN)], 52 km NE of Méndez [0243S/7819 (USBGN)] and 35 km SE of Macas [0219S/7807 (USBGN)] (Mapa, 1950; Mapa, 1974); Gómez, Sept. (USNM, as "Mangosisa"), Oct. 1937 (MCZ, as "Mongosisa").

MANGOYACO Not located
Alt.?; collector?, date? (de Schauensee, 1953:32-33); presence of *Pipra pipra* and *Machaeropterus regulus* are indicative of the eastern lowlands; perhaps this is the same as Mongoyoco [not located], which see.

MANTA; Manabí 0057S/8044 (USBGN)
Sea level, in middle of the coast of Manabí (MHA; Mapa, 1950); near northern boundary of equatorial arid zone, stunted scrubby growth of vines, brush, ceiba, and cactus (Chapman, 1926a:712; Brown, 1941, Ann. Entom. Soc. Amer., **34:**834); Goodfellow and Hamilton, between 1898-1899 (Goodfellow, 1901:309; 1902:220); Richardson, 5-10 Mar., and on coast between town of Bahía de Caráquez [0036S/8025 (USBGN)] and Manta, 11-22 Feb. 1913 (Chapman, 1926a:19, 712, as "coast of Manaví"); Garth, 20 Nov. 1934, 20 Jan. 1935 (LACMNH); Lévêque, 24-25 Jan. 1961 (Lévêque, 1964:61); Fuentes, on beaches, 7 Sept. 1965 (Fuentes, 1966?:61).

MANTA REAL; Cañar 0234S/7921 (Parker & Carr, 1992:49)
250 m, village at base of Andes, western Cañar, Conservation

International group, between 250-1,100 m, in cloud forest and wet forest, 10-17 July 1991 (Parker & Carr, 1992:17, 49-53, 67); not shown on our maps.

MANTEQUILLA, ABRAS DE; see Vinces.

MANUEL CORNEJO ASTORGA; Pichincha 0025S/7848 (USBGN, *olim* Tandapi)
ca. 1,500 m, in middle of western slope, 40 km SE of Quito [0013S/7830 (USBGN)], on road to Santo Domingo de los Colorados [0015S/7909 (USBGN)], at mouth of Río Tandapi [0025S/7847 (USBGN)] (Mapa, 1957); Bleitz Coll., 13 July, Sept. 1970 and Marin, 10 km NW, at 1,250 m, Aug. 1990 (WFVZ, as "Cornejo Astorga (Tandapi)" and "Tandapi"); also see Tandipi.

MANUEL J. CALLE; Cañar 0223S/7924 (USBGN)
ca. 100 m, on coastal plain in western Cañar, on border with Guayas, and near mouth of Río Bulubulu [0221S/7924 (USBGN)] (Mapa, 1957); Lévêque, 6 Dec. 1960 (Lévêque, 1964:61).

MANZAYACU Not located
Alt.?; "Oriente," Gómez, 30 June 1940 (USNM).

MAPASINGUE; Guayas 0209S/7954 (USBGN)
ca. sea level, on right bank near mouth of Río Daule [0210S/7952 (USBGN)], 8 km N of Guayaquil [0210S/7950 (USBGN)] (Atlas Geog.); collector?, 21-23 Jan. 1963 (MCZ).

MAPOTO (Menegaux, 1908:98); see Hacienda Mapoto.

MAQUINA; Pichincha Not located
Alt.?; near San Nicolás [not located], Rivet, between ca. 1899-1906 (Menegaux, 1911:56); an upper tropical/subtropical site as indicated by presence of *Myiodynastes chrysocephalus*.

MAQUIPUCUNA (WFVZ); see Maquipucuna, Reserva.

MAQUIPUCUNA, RESERVA; Pichincha Not located
1,400-1,800 m, on western slope near Nanegalito [Nanegal Chico 0002N/7837 (USNGN)], montane forest, Kiff, dates? (Ortiz-Crespo & Carrión, 1991:28); 15 km W of Calacalí [0001N/7831 (USBGN)] and 40 km NW of Quito [0013S/7830 (USBGN)], Gardner, et al., at 1,500 m, 11-29 June, 19 July [?] 1988, Kiff and Corado, 14 Feb.,

Carrión, 15 Feb., Kiff and Gardner, 16 Feb. 1989 (WFVZ, usually as "Nanegal, Maquipucuna"; Marin, in litt.); does not appear on maps available to us.

MARARURIA; Loja ? Not located
3,000 m, Simons, 16 May 1899 (Chubb, 1919:3, as "Mararuria, Paramo"); Simons was also at "Oña [0332S/7910 (USBGN)], Guishapa [Paguishapa, ca. 0335S/7920 (Atlas Geog.)]" on the same day, indicating site is nearby; it may be in Azuay.

MARAVIÑA (Sclater & Salvin, 1879:426); see Mariviña.

MARAYNIOC (Sharpe, 1896, Cat. Birds Brit. Mus., **24**, p. 138); in Peru; erroneously attributed to Ecuador.

MARCHENA, ISLA; Galápagos 0021N/9029 (USBGN)
Also = Bindloe Island.

MARGARETA, CERRO DE (Menegaux, 1908:98); see Margarita, Cerro.

MARGARITA, CERRO; Chimborazo ? Not located
3,136 m (Menegaux, 1908:98, as "Cerro de Magareta"); on road between Guayaquil [0210S/7850 (USBGN)] and Alausí [0212S/7850 (USBGN)], possibly near Ceche [ca. 0211S/7851 (Chapman, 1926a:map)], Stolzmann, Apr. 1883 (Berlepsch & Taczanowski, 1884:282, 296, 304).

MARIVIÑA; Azuay 0309S/7859 (USBGN)
3,163 m (Atlas Geog.); in central highlands, 30 km S of Cuenca [0253S/7859 (USBGN)] and 18 km E of Girón [0310S/7908 (USBGN)] (MHA); Buckley, date? (Sclater & Salvin, 1879, Ibis, p. 426, as "Maraviña"); Villagomez, date? (Sharpe & Ogilvie-Grant, 1892, Cat. Birds. Brit. Mus., **17**, p. 447, as "Maraviña").

MASPA; Napo 0025S/7801 (USBGN)
8,500 ft [2,600 m] (Lönnberg & Rendahl, 1922:13); on eastern slope of Andes, on Río Maspa [Río Papallacta, 0027S/7758 (USBGN)], 9 km WNW of Baeza [0027S/7753 (USBGN)] (Mapa, 1950); Söderström Coll., date? (Lönnberg & Rendahl, 1922:13).

MATAGAN Not located
Buckley, date? (Salvadori, 1895, Cat. Birds Brit. Mus., **27**, p. 557);

apparently in páramo, as indicated by presence of *Nothoprocta curvirostris.*

MATOS (Chapman, 1926a:712); see Matus.

MATUS; Chimborazo 0133S/7830 (USBGN)
ca. 3,000 m, 18 km NE of Riobamba [0140S/7838 (USBGN)] and on road to Baños [0124/7825 (USBGN)] (Mapa, 1950; Mapa, 1974); humid temperate zone (Chapman, 1826a:712, as "Matos"); Fraser, June and/or Aug. 1859 (Sclater, 1859c:549, as "Matos").

MAYO Not located
Alt.?; "Occidente," Moore, above Mayo, near Pacaya [not located], 21 Apr. 1927 (CM).

MAYORAZGO; Tungurahua Not located
9,000 ft [2,750 m], small cave sheltering colony of *Steatornis* in an almost inaccessible ravine near San Rafael [? 0122S/7829 (USBGN)] on eastern [?] slope of Volcán Tungurahua [0127S/7826 (USBGN)], Stolzmann, date? (Taczanowski & Berlepsch, 1885:67).

MAZAN (King & Holloway, 1990:79); see Mazán, Río.

MAZÁN, BOSQUE DE; Azuay Not located
3,000-3,800 m, at summit of the Andes, páramo, 10 km NW of Cuenca [0253/7859 (USBGN)], at foot of Cajas [0249S/7916 (USBGN)], observer?, date? (Ortiz-Crespo & Carrión, 1991:28); also see Las Cajas, Area Nacional de Recreación; Mazán, Río; and Llaviuco, Laguna, all of which are in the same region but whose relationships are not clear

MAZÁN, RÍO; Azuay 0249S/7913 (USBGN)
Rises in central Azuay on eastern slope of Cordillera de Chanchán [0305S/7930 (USBGN)] and flows NE into Río Matadero [0254S/7859 (USBGN)], which passes through Cuenca [0253S/7859 (USBGN)] in the valley between the eastern and western cordilleras (Mapa, 1950; Mapa, 1957); valley of ca. 1,400 ha, of which half is in a reserve, *Podocarpus* forest, Gretton, et al., ca. 1985-1986 (Barnett & Gretton, 1987); King (1989:140-141) says reserve is 3,300 ha, predominately páramo above 3,400 m and *Podocarpus* forest from 3,400 m down to 3,150 m, covering 500 ha; King, et al., mainly above 3,000 m, 26 July-27 Sept. 1986, 30 July-29 Oct. 1987, plus mist netting in 7 forest sites between 3,050-3,350 m on 72 dates,

years? (King, 1989:141-147, as "Rio Mazan Valley" and "Mazan"; 1990, as "Rio Mazan Valley" and "Mazan"; 1991, as "Rio Mazan Valley"; King & Holloway, 1990, as "Rio Mazan Valley" and "Mazan"); presumably this is within the Area Nacional de Recreación Las Cajas [not located], which see; also see Mazán, Bosque de and Llaviuco, Laguna; all these localities are in the same region but their relationships are unclear.

MAZAR, BOSQUE DE; Cañar Not located
2,000-4,00 m, on N side of valley of Río Paute [0246S/7816 (USBGN)], observer?, date? (Ortiz-Crespo & Carrión, 1991:28); because only the uppermost Río Paute touches Cañar, forming a very small portion of the border with Azuay, the locality must be in extreme southern Cañar, S of Azogues [0244S/7850 (USBGN)].

MÉNDEZ, VALLE DE; Morona-Santiago ? Not located
Alt.?; possibly this name applied to lower valley of Río Paute [0246S/7816 (USBGN)] in vicinity of Méndez [0243S/7819 (USBGN)]; Festa, Apr. 1896? (Salvadori & Festa, 1899a:18; 1900:25; Chapman, 1926a:731).

MERA; Pastaza 0128S/7808 (USBGN)
1,140 m, on Río Pastaza [0455S/7624 (USBGN)] a short distance above Shell Mera [0130S/7803 (USBGN)], 36 km ESE of Baños [0124S/7825 (USBGN)] (Mapa, 1957); mean temperature ca. 21° C, mean precipitation over 4,500 mm (Brown, 1941, Ann Entom. Soc. Amer., **34**:834); Austin, 12 May 1927 (CM); Olalla, Apr., Nov. 1931 (Berlioz, 1932a:240-241); Olallas, 24 Apr. 1931, 19 Jan., Apr. 1932, 15 Jan. 1933, Loch, ca. 1935-1937, Gómez, July 1939 (FMNH; CM); Sibley, 3 km W and 8 km WNW, 5 Sept. 1987 (WFVZ);

MICA, LAGUNA (FMNH); see Mica-cocha.

MICA-COCHA; Napo ca. 0033S/7812 (MHA)
13,500 ft [4,100 m], in páramo (Chapman, 1926a:712, as "Mica Lake"); on SW slope of Antisana [0030S/7808 (USBGN)] (MHA; Mapa, 1957, as "Laguna Micacocha"); Söderström Coll., date? (Lönnberg & Rendahl, 1922:21, as "Lake Mica"); Clarke-Macintyre Coll., Feb. 1938 (FMNH, as "Laguna Mica"); Olallas, May 1938 (FMNH, as "Lago Antisana").

MICACOCHA, LAGUNA (Mapa, 1957); see Mica-Cocha.

MICA LAKE (Chapman, 1926a:712); see Mica-Cocha.

MINGALITO (USNM); see Hacienda Paramba.

MIGUIR, RÍO; Azuay 0246S/7928 (USBGN)
Short river, a tributary of Río Norcay [0232S/7931 (USBGN)], rising on the western slopes of the western Andes NE of Molleturo [0248S/79026 (USBGN)], ca. 35 km WNW of Cuenca [0253S/7859 (USBGN)] (MHA, as "Río Mihuir"; Mapa, 1957, as "Río Mihuir"; Mapa, 1974, as "Río Migüir"); Ortiz-Crespo, along river at town of Mihuir [Miguir, 0247S/7918 (USBGN)] and above, from ca. 3,400-3,600 m, 31 Dec. 1981 (Ortiz-Crespo, 1984).

MIGÜIR, RÍO (Mapa, 1974); see Miguir, Río.

MIHUIR, RÍO (Ortiz-Crespo, 1984); see Miguir, Río.

MILAGRO; Guayas 0207S/7936 (USBGN)
13 m, on railroad, 35 km E of Guayaquil [0210S/7950 (USBGN)] (Mapa, 1957); Söderström Coll., date? (Lönnberg & Rendahl, 1922:55); Tate, Dec. 1922 (FMNH); Lévêque, 22 Jan. 1961 (Lévêque, 1964:61).

MILAGROS; Loja 0407S/8008 (USBGN)
Alt.?; village in extreme southwestern Loja, ca. 13 km SW of Alamor [0402S/8002 (USBGN)] and SW of Cerro Milagros [0405S/8009 (USBGN)]; does not appear on any of our maps; Watkins, 5 July 1919 (Chapman, 1926a:633, as "Milagros, Peru"; Atyeo, 1989, Zoologica Scripta, **18**:341).

MILIGALLI (de Schauensee, 1953:43); see Milligalli.

MILLEGALA (Allen, 1899:71); see Milligalli.

MILLIGALLI; Pichincha ca. 0016S/7836 (Brown, 1941:836)
1,800 m (Brown, 1941, Ann. Entom. Soc. Amer., **34**:836); subtropical, on trail to Santo Domingo de Los Colorados [0015S/7909 (USBGN)] (Chapman, 1926a:712); not on our maps; Söderström Coll., date? (Allen, 1889:7, as "Millegala"; Lönnberg & Rendahl, 1922:62); Goodfellow and Hamilton, Sept. 1898 (Goodfellow, 1901:309); de Schauensee, 1953:43, as "Miligalli"; also see Guaracillo.

MILPE; Pichincha 0000/7857 (USBGN)
Alt.?; on lower western slope, W of Mindo [0002S/7848 (USBGN)]; does not appear on our maps; Olallas, July 1931 (FMNH); Ponce, 1939 (Inst. Nac. Mehía, Quito); Olalla, 29 Dec. 1962 (MCZ, as "Milpe, via Puerto Quito [0010N/7916 (USBGN)]").

MILPE MINDO; Pichincha Not located
Alt.?; collector?, date? (Hellmayr & Conover, 1942, Field Mus. Nat. Hist. Publ., Zool. Ser., **13**, pt. 1, no. 1, p. 145); probably meant to indicate a place between Milpe [0000/7857 (USBGN)] and Mindo [0002S/7848 (USBGN)], on the lower western slope.

MIMBO, PUENTE DE; Chimborazo Not located
9,000 ft [2,750 m], Söderström Coll., date? (Lönnberg & Rendahl, 1922:57, as "Pallatanga [0159S/7857 (USBGN)], old road to Puente de Mimbo"); probably refers to Puente de Chimbo [ca. 0210S/7906 (Atlas Geog.)], which see; see, also, Pallatanga.

MINDO; Pichincha 0002S/7848 (USBGN)
1,264 m (Atlas Geog.); on right bank of Río Mindo [0003N/7909 (USBGN)] on lower western slope, 45 km NW of Quito [0013S/7830 (USBGN)] (MHA); subtropical zone (Chapman, 1926a:713); Goodfellow and Hamilton, Nov. 1898 (Goodfellow, 1901:309); Rivet, between ca. 1899-1906 (Menegaux, 1911:35); collector?, 4 Apr. 1912 (USNM); Söderström Coll., at, nearby, and below on Río Blanco [0028N/7925 (USBGN)], with only known date of 3 May 1920 (Lönnberg & Rendahl, 1922:26ff; CM); Loch, July 1913 (FMNH); Goodfellow, at 6,000 ft [1,825 m], Jan. 1914 (Chubb, 1919:46); collectors?, below Mindo, 11 July 1914, 3 May 1915 (USNM); Söderström Coll., 13 Oct. 1915 (Chapman, 1925c:6); d'Espinay Coll., July 1922 (Berlioz, 1928:439-440); Olallas, in vicinity, Aug. 1922, 21 July-18 Aug. 1923 (Chapman, 1926a:21); Olallas, 2, 8, 15-16 Apr. 1930 and nearby at El Castillo [not located], 20 Sept. 1931 (Stresemann, 1938:117-118; MCZ); Clarke-Macintyre Coll., 4 Aug. 1936 (MCZ); Loch, Aug. 1936, Olallas, May 1939 (FMNH); Olallas, 16 Oct. 1964, 24 Mar. 1968 (MCZ); Coopmans, nearby at 1,700 m, July 1990, Krabbe, at same site, date? (Krabbe, 1992b:171); Ridgely, et al., above Mindo at 1,700 m, 25 June 1979, Greenfield, et al., nearby at 1,400 m, 18 Oct. 1979 (Ridgely, 1980:244, 246); Glenn and Robbins, on road between Mindo and Quito, 22, 29 July 1984 (USNM); Schulenberg, nearby, 2 Aug. 1984 (USNM); Sheldon, 21-22 Aug., Robbins, 20, 23-27 Aug. 1987 (USNM); Schmitt, 3 km W, 10 Oct. 1987, Sornoza, 4 km SE, 9-12

Oct., Gardner, 4 km SE, 9-25 Oct., Sibley, 4 km SE, 25 Oct. 1988, Kiff, 4 km SE, 10 Mar. 1989 (WFVZ); also see Hacienda San Vicente, Pichincha, San Pedro de Mindo, and El Castillo.

MINDO, RÍO; Pichincha 0003N/7909 (USBGN)
Tributary of Río Blanco [0028N/7925 (USBGN)] on western slope, rising on NW side of Pichincha [0010S/7833 (USBGN)] (MHA); Söderström Coll., dates? (Lönnberg & Rendahl, 1922:26).

MINDO-NAMBILLO, BOSQUE PROTECTOR; Pichincha Not located
1,200-3,700 m, on northwestern slopes of Pichincha [0010S/7833 (USBGN)], montane and subtropical forest, observers?, dates? (Ortiz-Crespo & Carrión, 1991:29); presumably between Mindo [0002N/7848 (USBGN)] and Nambillo [? Río Nambilla, 0000/7856 (USBGN)]; also see Nambilla, Río.

MIRA; Carchi 0033N/7802 (USBGN)
ca. 3,000 m, in southern Carchi, 20 km NNE of Ibarra [0021N/7807 (USBGN)] (MHA); Loch, ca. 1935-1937 (FMNH, as "Mira," without designation of province; possibly an error for Mera [0128S/7808 (USBGN)], Pastaza).

MIRA, RÍO; Carchi/Imbabura/Esmeraldas 0136N/7901 (USBGN)
Major river in northwestern Ecuador, originating N of Ibarra [0021N/7807 (USBGN)] and flowing NW to enter the Pacific in southern Colombia (Mapa, 1957); Olalla, Aug. 1935 (FMNH); Flemming, Oct., and Miketta, Sept.-Oct. 1899, both collectors for Rosenberg, at Lita [0052N/7828 (USBGN)] at mouth of Río Lita [0054N/7827 (USBGN)], an affluent of Río Mira.

MIRADOR; Carchi (Chapman, 1926a:731); see Mirador, Cerro.

MIRADOR; Pichincha Not located
Alt.?; on road between Quito [0013S/7830 (USBGN)] and Santo Domingo [de Los Colorados, 0015S/7909 (USBGN)], Rivet, between ca. 1899-1906 (Menegaux, 1911:57); Holmgren and Beals, 6 km WNW of Quito [0013S/7830 (USBGN)], 8 June 1989 (WFVZ).

MIRADOR; Tungurahua ca. 0126S/7815 (Brown, 1941:836)
1,533 m, on Baños [0124S/7825 (USBGN)]/Caneolos [0135S/7745 (USBGN)] trail, on northern bank of Río Pastaza [0455S/7624 (USBGN)], short distance W of Río Mapoto [0125S/7815 (USBGN)] (Brown, 1941, Ann. Entom. Soc. Amer., 34:836, as "El Mirador");

Simons, at 1,800 m, 1 Feb. 1890 (Chubb, 1919:3, as "Río Tapo [Río Topo, 0124S/7812 (USBGN)], Azuay [Tungurahua]"; p. 287, as "Mirador, Baños"); it is assumed that Simons made his headquarters at Mirador and collected on the Río Topo, which is a tributary of the Río Pastaza, below (E of) the Río Mapoto.

MIRADOR, CERRO; Carchi 0036N/7739 (USBGN)
4,086 m (MHA); 3,832 m, northeastern Carchi, 55 km NE of Ibarra [0021N/7807 (USBGB)] and 23 km SSE of Tulcán [0048S/7743 (USBGN)] (Mapa, 1957); Festa, 1-9 Mar. 1897 (Chapman, 1926a: 731, as "Mirador, El Troje (Huaca)"); Salvadori & Festa, 1900:45, as "Monte Mirador"; also see El Troje.

MIRADOR, MONTE (Salvadori & Festa, 1900:45); see Mirador, Cerro.

MISAGUALLÍ (MCZ); see Misahuallí.

MISAGUALLÍ, RÍO (FMNH); see Misahuallí, Río.

MISAHUALLÍ; Napo 0102S/7740 (USBGN)
431 m, at mouth of Río Misahuallí [0102S/7741 (USBGN)], a left-bank affluent of the upper Río Napo [0320S/7240 (USBGN)], 18 km SE of Tena [0059S/7749 (USBGN)] (Mapa, 1957; Mapa, 1974, as "Puerto Misahualli"); Loch, ca. 1935-1937 (FMNH, as "Misaguallí"); Olalla, 14 July 1959 (MCZ, as "Misagualli"); Leck, nearby, 17 July 1974 (Leck, 1980:313); Hayes, et al., nearby, 18 Aug. 1984 (Hayes, et al., 1985, as "Puerto Misahuallí").

MISAHUALLÍ, RÍO; Napo 0102S/7840 (USBGN)
A small left-bank tributary of the upper Río Napo [0320S/7240 (USBGN)] rising in Cordillera de Guacamayo [0043S/7755 (USBGN)], N of Tena [0059S/7749 (USBGN)], and entering the Napo 18 km SE of Tena (Mapa, 1957); Loch, at town of Misahuallí [0102S/7740 (USBGN)], as well as at the river, ca. 1935-1937 (FMNH, as "Río Misaguallí"); Olalla, at town, 14 July 1959 (MCZ, as "Misaguallí").

MOCHA; Chimborazo (Chapman, 1919:266); see Mocha; Tungurahua.

MOCHA; Tungurahua 0125S/7840 (USBGN)
3,236 m, in inter-Andean valley of southern Tungurahua on northeastern slope of Carihuairazo [0124S/7848 (USBGN)], between Ambato [0115S/7837 (USBGN)] and Riobamba [0140S/7838

(USBGN)] (Mapa, 1957); Fraser, at páramo between Mocha and Riobamba, ca. Jan. 1859 (Sclater, 1860b:82); Chapman and Cherrie, at 12,000 ft [3,650 m] in "upper Mocha Cañon," 27-30 May 1916 (Chapman, 1926a:19, 634); Chapman, 1919. Proc. Biol. Soc. Washington, 32:266, as "Mocha, Chimborazo".

MOJANDA; Pichincha/Imbabura 0008N/7817 (USBGN)
4,294 m (Atlas Geog.); tranverse chain, or *nudo,* on the Pichincha/Imbabura border, S of Otavalo [0014N/7816 (USBGN)] and N of Tabacund [0003N/7812 (USBGN)], connecting the eastern and western cordilleras and enclosing the Quito [0013S/7830 (USBGN)] valley to the N (MHA, shown as Páramos de Mojanda [0007N/7817 (USBGN)]; Mapa, 1957); summit in páramo, luxuriant [formerly] subtropical and temperate forests on southwestern and northwestern slopes (Chapman, 1926a:713); slopes [ca. 1940] well cultivated, especially in N and on upper part of southern slopes, extreme southern slope covered with semi-arid thorn brush (Brown, 1941, Ann. Entom. Soc. Amer., 34:836); Goodfellow and Hamilton, ca. 1898-1899 (Goodfellow, 1901:701-702); Söderström, Dec. 1913 (FMNH); Söderström Coll., dates? (Lönnberg & Rendahl, 1922:75); Chapman, et al., 28 Aug. 1922 (Chapman, 1926a:21); Clavery Coll., date? (Berlioz, 1927:353); "H.S.M," Mar. 1924 and June 1925, and also near Piganta [Hacienda Piganta, 0009N/7823 (USBGN)], June 1925 (FMNH); Olallas, Aug. 1934 (FMNH).

MOJANDA, LAGUNA DE; Pichincha/Imbabura 0008N/7816 (USBGN)
ca. 3,760 m, small lake near summit of the Mojanda [0008N/7817 (USBGN)] range, ca. 10 km S of Otovalo [0014N/7816 (USBGN)] on border of Pichincha and Imbabura (Mapa, 1950; Mapa, 1974; Hoja CT ÑII-F3, as "Laguna Grande de Mojanda"); collector?, date? (Berlioz, 1927:354); Carrión, 2 Nov. 1987, Schmitt, Carrión, and Marin, at 3,800 m, 16 July 1989 (WFVZ, as "Lagunas de Mojanda"; Marin, in litt., as "Lagunas de Mojanda").

MOJANDA, LAGUNA GRANDE DE (Hoja CT ÑII-F3); see Mojanda, Laguna de.

MOJANDA, LAGUNAS DE (WFVZ); see Mojanda, Laguna de.

MOLLETURO; Azuay 0248S/7926 (USBGN)
2,557 m, northwestern Azuay, 50 km WNW of Cuenca [0253S/7859 (USBGN)] on western slopes of western Andes (MHA); Baron,

nearby at 8,000 ft [2,450 m], Dec. 1893? (Hartert & Hartert, 1894:46, as "Mollituro").

MOLLITURO (Hartert & Hartert, 1894:46); see Molleturo.

MONDRAGÓN, ISLA; Guayas 0235S/7950 (USBGN)
Sea level, large island in the delta of Río Guayas [0236S/7952 (USBGN)], 40 km S of Guayaquil [0210S/7950 (USBGN)] (MHA); Lévêque, at mangrove islet between Isla Mondragón and Isla Verde [0240S/7957 (USBGN)], sometime between Jan. 1960-Apr. 1962 (Lévêque, 1964:56).

MONGI (Sclater & Salvin, 1877:522); see Monji.

MONGOSISA (MCZ); see Mangosiza.

MONGOYOCO Not located
Alt.?; Gómez, July 1942, Olalla, June 1944 (FMNH); probably this is the same as Mangoyaco [not located], of the eastern lowlands, which see.

MONJAS (Menegaux, 1911:31); see Hacienda Monjas.

MONJAS, RÍO; Pichincha 0002N/7825 (USBGN)
Small, left-bank tributary of upper Río Guaillabamba [0028N/7925 (USBGN)] in northeastern Pichincha, rising near San Antonio de Pichincha [San Antonio, 0001S/7827 (USBGN)] (Hoja CT ÑII-F3); Ortiz-Crespo and Léon, at nearby Hacienda Caspiguasi [0001N/7829 (USBGN)], Oct. 1968-Sept. 1970, Mar. 1971 (Ortiz-Crespo, 1974:347).

MONJI Not located
Alt.?; western Ecuador, Buckley, date? (Chapman, 1926a:713; Sclater & Salvin, 1877:522, as "Monghi"); presence of *Poecilotriccus ruficeps rufigenis* indicative of subtropical western Ecuador.

MONKEY ISLAND (Ridgely, 1980:245); see Monos, Isla de la.

MONOS, ISLA DE LA; Napo Not located
Alt.?; on Río Napo [0320S/7240 (USBGN)], near Primavera [not located], which is near Limóncocha [0025S/7638 (Norton, 1965:2)], Leck, 10 Apr. 1978 (Leck, 1980:313); Ridgely and Rowlett, 11 July 1979 (Ridgely, 1980:245, as "Monkey Island").

MONTALBO (de Schauensee, 1953:29); see Montalvo; Pastaza.

MONTALVO; Los Ríos 0148S/7920 (USBGN)
30 m, *olim* Playas, humid tropics (Brown, 1941, Ann. Entom. Soc. Amer., 34:836); in easternmost Los Ríos, on Río Playas [0148S/7926 (USBGN); called Río Cristal on some maps], 25 km E of Babahoyo [0149S/7931 (USBGN)] (MHA); Festa, 20 Aug. 1897 (Salvadori & Festa, 1899a:13, as "Playas (Prov. di Guayas)"; Chapman, 1926a: 732, as "Playas").

MONTALVO; Pastaza 0204S/7658 (USBGN)
314 m, deep in Amazonian lowlands on middle Río Bobonaza [0236S/7638 (USBGN)], at mouth of Río Pucayacu [0203S/7658 (USBGN)], ca. 130 km SE of Puyo [0128S/7759 (USBGN)] (Mapa, 1957); Proaño, 17 July, 5 Sept. 1958, Mena, 18 Sept. 1959, Olalla, 9, 27-28 Oct. 1963, 2-18, 27 Apr. 1964, Proaño, 18 Apr. 1964 (MCZ); Olalla, 4 July, Mena, 27 June 1959 (Orces, 1974:10); Mena, 15 Jan. 1964 (LACMNH); de Schauensee, 1953:29, as "Montalbo."

MONTE PILALO (Hellmayr & Conover, 1942:27); see Palaló.

MONTERO (Mapa, 1957); see Boliche.

MONTERO, GENERAL PEDRO J. (Mapa, 1974); see Boliche.

MONTE VERDE; Azuay Not located
Alt.?; Olalla, 24 Jan. 1932 (Berlioz, 1932b:622); probably Quebrada Monteverde [0258S/7841 (USBGN)], on eastern slope, was intended, as Olalla was at nearby Palmas [0241S/7835 (USBGN)] from 23-30 Jan. 1932.

MONTEVERDE; Guayas 0203S/8044 (USBGN)
Sea level, on coast of northwestern Guayas, 6 km SW of Colonche [0201S/8040 (USBGN)] (Mapa, 1957); Fuentes, on beaches, 10 Sept. 1965 (Fuentes, 1966?:11, also as "Monteverdo"); Lévêque, 9 Jan. 1976 (Lévêque, 1977).

MONTEVERDO (Fuentes, 1966?:11); see Monteverde; Guayas.

MORADO PAMBA Not located
Alt.?; Olallas, Apr. 1930 (FMNH); possibly on western slope near Mindo [0002S/7848 (USBGN)], Pichincha, where the Olallas were in first half of Apr. 1930.

MORETE Not located
Alt.?; "Oriente," Olalla, 3-27 Oct. 1958 (MCZ; Norton, et al., 1972:890-891); specimens indicative of Amazon lowlands.

MORONA-SANTIAGO, PROVINCIA DE 0230S/8013 (USBGN)
Southeastern Ecuador; bounded on N by Pastaza, on E by Peru, on S by Zamora-Chinchipe, and on W by Azuay, Cañar, Chimborazo, and Tungurahua; former Provincia de Santiago-Zamora is now divided into Morona-Santiago and Provincia Zamora-Chinchipe.

MORRO (MHA); see El Morro.

MORRO, CANAL DE; Guayas 0245S/8013 (USBGN)
Channel separating Isla Puná [0250S/8028 (USBGN)] from mainland to NW (MHA); Lévêque, several observations between Jan. 1960-Apr. 1962 (Lévêque, 1964:54).

MOSQUERA, ISLA; Gálapagos ca. 0023S/8013 (Mapa, 1957)

MOUJI Not located
Alt.?; collector?, date? (Hellmayr & Conover, 1949, Field Mus. Nat. Hist. Publ., Zool. Ser., 13, pt. 1, no. 4, p. 55); probably equivalent to Monji and Mongi, which cannot be located.

MOYA; Pichincha Not located
Alt.?; Olallas, 22, 24 Aug. 1928, 6 June 1929 (CM); probably near Alaspungo [0000/7836 (USBGN)], where the Olallas were on 4 June and Gualea [0007N/7850 (USBGN)], where they were 9-10 June 1929.

MOZO PICHINCHA; Pichincha Not located
Alt.?; Rivet, between ca. 1899-1906 (Menegaux, 1911:3, as "Páramos du Mozo Pichincha," p. 13ff, as "Rochers du Mozo Pichincha, Cordillere"); surely on or near Pichincha [0010S/7833 (USBGN)] and may refer to either Río Mozo Chico [0012S/7905 (USBGN)] or Río Mozo Grande [0012S/7907 (USBGN)].

MUTILES, CERRO; Esmeraldas 0054N/7937 (Parker & Carr, 1992:20)
200-300 m, hill short distance SE of Esmeraldas [0059N/7942 (USBGN)], site of forest reserve of Universidad Técnica Luis Vargas Torres, tropical moist forest, Conservation International group, ca. 60-300 m, 2-4 Feb. 1991 (Parker & Carr, 1992:14, 20-24, 67); not on our maps.

NABÓN; Azuay 0322S/7905 (USBGN)
2,702 m (MHA); 2,792 m, on western slope of southern Azuay, 50 km SSW of Cuenca [0253S/7859 (USBGN)] and on Río Nabón [Río Shiña, 0321S/7908 (USBGN)], a tributary of Río Jubones [0313S/7957 (USBGN)] (Mapa, 1957); collector?, date? (Chapman, 1926a:252).

NACHIGACO Not located
Alt.?; "Oriente," Olallas, 21 Apr. 1936 (WFVZ); Machiyaco [not located], which see, may be the same locality.

NACHIZAREO Not located
Alt.?; "Oriente," Gómez, Apr. 1936 (MCZ); a specimen of *Campylopterus villaviscensio* is indicative of the upper tropical region at the head of the Río Napo [0320S/7240 (USBGN)]

NAMBILLA, RÍO; Pichincha 0000/7856 (USBGN)
Rises on western slope of Pichincha [0010S/7833 (USBGN)] and joins Río Mindo [0003N/7909 (USBGN)] a short distance W of Mindo [0002N/7848 (USBGN)] (Mapa, 1950); collector?, place?, date? (de Schauensee, 1966, *Species Birds South Amer.*, p. 299, as "Río Nambillo"); Gardner, at "Nambillo [? Río Nambilla], 14 km SE of Mindo," 27 Oct. 1988, Kiff, same locality, 12 Mar. and "10 km SE, below Nambillo," 13 Mar. 1989 (WFVZ).

NAMBILLO (WFVZ); see Nambilla, Río.

NAMBILLO, RÍO (de Schauensee, 1966:299); see Nambilla, Río.

NAMELESS ISLAND; Galápagos 0040S/9036 (USBGN)
Also = Isla Sin Nombre.

NANEGAL; Pichincha 0007N/7846 (USBGN)
ca. 1,400 m (Brown, 1941, Ann. Entom. Soc. Amer., **34**:837); in central northern Pichincha, on Río Nanegal [0007N/7846 (USBGN)], 50 km NW of Quito [0013S/7830 (USBGN)] (MHA; Mapa, 1957); subtropical, often frequented by local collectors who used the name in a regional sense (Chapman, 1926a:713); specimens labeled from Nanegal often lack date and collector; Fraser, Feb. 1889 (Sclater, 1860c:83); Festa, June 1897 (Salvadori & Festa, 1899a:5ff; Chapman, 1926a:731); Goodfellow and Hamilton, July-Aug. 1898 (Goodfellow, 1901:309); Holstein, 20 Dec. 1899 (USNM); Söderström Coll., date? (Lönnberg & Rendahl, 1922:17ff); Rivet,

between ca. 1899-1906 (Menegaux, 1911, often with name of another town appended, e. g., "Palmito (Nanegal)"); Orton, 1884, collector?, 1911, Rosenberg, 4 Apr. 1915 (USNM); Spillmann, Sept. 1925, Olallas, June 1929, Gómez, June 1940 (FMNH); Olallas, 5-6 Mar. 1928, Henn, date? (CM); Sornoza, 23, 26 June 1988 (LACMNH).

NANEGAL CHICO; Pichincha 0002N/7837 (USBGN)
ca. 1,500 m, on Río Alambi [0014N/7849 (USBGN)], 6 km SE of Nanegal [0007N/7846 (USBGN)], 45 km NW of Quito [0013S/7830 (USBGN)] (Mapa, 1957, as "Nanegalito"; Mapa, 1974, as "Nanegalito"); Olallas, 25 Aug. 1928, 20 Apr. 1929 (CM); Olalla, 12 June 1931 (Stresemann, 1938:117); Marin, 35 km NW of Quito, near "Nanegalito," 19 July 1988 and 22 Aug. 1990, Marin, at Km 35 on "Nanegalito"/Cotocollao [0007S/7820 (USBGN)] road [same as previous locality?], 6 Dec. 1991, Marin, on Calacalí [0001N/7831 (USBGN)]/"Nanegalito" road, 6 July 1990 (WFVZ).

NANEGALITO (Mapa, 1957); see Nanegal Chico.

NANEGAN Not located
Alt.?; N of Quito [0013S/7830 (USBGN)], Bourcier, ca. 1850 (Sclater, 1851, Jardine's Contr. Ornith., p. 100); probably an error for Nanegal [0007N/7846 (USBGN)].

NAPA (Lönnberg & Rendahl, 1922:76); see Napac, Río.

NAPAC, RÍO; Pichincha 0020S/7854 (USBGN)
Stream on lower western slopes, ca. midway between Quito [0013S/7830 (USBGN)] and Santo Domingo de Los Colorados [0015S/7909 (USBGN)]; does not appear on our maps but is probably one of the headwaters of Río Toachi [0008N/7918 (USBGN)]; Söderström Coll., "Napa road to Santo Domingo de Los Colorados, about 3800 f [1,150 m]," date? (Lönnberg & Rendahl, 1922:76); "Napa" doubtless refers to the Río Napac.

NAPO (Chapman, 1926a:713); see Puerto Napo.

NAPO, PROVINCIA DE 0020S/7650 (USBGN)
Northeastern Ecuador; bounded on S by Pastaza, on E by Peru, on N by Colombia, and on W by Carchi, Imbabura, Pichincha, Cotopaxi, and Tungurahua; formerly was Provincia de Napo-Pastaza, which is now divided into Napo and Pastaza provinces; Monge, where?, 20,

25, 28, 30 Nov. 1935, 26 June 1937, 8 Dec. 1938, 30 July, 1 Aug. 1939, 1940, 1945, 30 Apr. 1948, Aug. 1949 (LACMNH).

NAPO, RÍO; Napo 0320S/7640 (USBGN)
Large tributary of the Amazon, rising near Cotopaxi [0040S/7826 (USBGN)] and flowing E into Peru (MHA); the numerous specimens from "Napo," "upper Napo," etc., may be from anywhere along the river, from Puerto Napo [0103S/7447 (USBGN)], or from the general area; Moore, date? (Sclater, 1860c:86); Whiley, 1875 (USNM); Wiener, 1881 (Menegaux & Hellmayr, 1906, Mem. Soc. Hist. Nat. Autun., **19**:106); Gonnessiat and Rivet, between 1899-1906 (Menegaux, 1911:12-15); Söderström Coll., Apr. 1921 (Lönnberg & Rendahl, 1922:13ff; CM); Olallas, "near river," Mar. 1921 (Gyldenstolpe, 1930:3); Olallas, Jan. 1931, Apr. 1937, Loch, ca. 1935-1937, Olalla, July 1945 (FMNH).

NAPO-PASTAZA, PROVINCIA DE; see Napo, Provincia de, and Pastaza, Provincia de.

NARANCHITO (Taczanowski & Berlepsch, 1885:109); see Naranjito.

NARANJAL; Azuay Not located
Alt.?; collector?, date?, specimens in ANSP (Ridgely & Robbins, 1988:174); this may be the prominent Naranjal cited below, as one in Azuay cannot be found.

NARANJAL; Guayas 0242S/7937 (USBGN)
ca. 10 m, on coastal plain in extreme southeastern Guayas, 65 km SE of Guayaquil [0210S/7950 (USBGN)], 15 km inland from coast, and 8 km from Azuay border (MHA; Mapa, 1974); Baron, date? [1893?] and also on road between Naranjal and Cuenca [0253S/7859 (USBGN)], date? [1893?] (Hartert & Hartert, 1894:46, 57); collector?, date? (de Schauensee, 1953:43, as "El Naranjal"); identification of the de Schauensee (and ANSP) locality is uncertain but presumably it is this Naranjal, as specimens are indicative of the western lowlands.

NARANJITO; Guayas 0213S/7929 (USBGN)
30 m (Brown, 1941, Ann. Entom. Soc. Amer., **34**:837); on railway, 48 km E of Guayaquil [0210S/7950 (USBGN)], humid tropics (Chapman, 1926a:714); Stolzmann, 188? (Taczanowski & Berlepsch, 1885:109, as "Naranchito"); Richardson, 6-24 May, 11-30 Dec. 1913

(Chapman, 1926a:19, as "Naranjo"); Söderström Coll., date? (Lönnberg & Rendahl, 1922:55); Olalla, 21 May 1965 (MCZ).

NARANJO (Chapman, 1926a:19); see Naranjito.

NARBOROUGH ISLAND; Galápagos 0025S/9130 (USBGN)
Also = Isla Fernandina.

ÑARIHUIÑA (Menegaux, 1911:8); see Narihuiña, Laguna.

NARIHUIÑA, LAGUNA; Azuay 0302S/7929 (USBGN)
ca. 3,000-3,500 m, small lake high in mountains in southwestern Azuay, 11 km NNW of Pucará [0314S/7930 (USBGN)] (MHA, where shown but not named); Rivet, Dec. 1904 (Menegaux, 1911:8, as "Ñarihuiña").

NARUPA; Napo Not located
Alt.?; Sibley and Carrión, at Km 19 on Narupa/Loreto [0038S/7719 (USBGN)] road, on E side of Río Hollin [0058S/7745 (USBGN)], 11-20 Mar. 1988 (WFVZ).

NAUGAL Not located
Alt.?; collector?, date? (USNM); probably an error for Nanegal.

NAVAC (USBGN); see Navaz-Cruz.

NAVAS, CERRO DE (Berlioz, 1932a:230); see Navaz-Cruz.

NAVAS CRUZ, PASO DE (MHA); see Navaz-Cruz.

NAVAZ-CRUZ; Chimborazo ca. 0145S/7850 (Atlas Geog.)
3,868 m, peak in northwestern Chimborazo, ca. 27 km NW of Guamote [0156S/7843 (USNGN)] and ca. 16 km SW of Cajabamba [0142S/7845 (USBGN)] (Atlas Geog.); Olalla, altitude?, Sept. 1931, Oct. 1932 (Berlioz, 1932a:230, as "Cerro de Navas"); spelling uncertain as USBGN lists a nearby town of Navac [0148S/7850 (USBGN)] and MHA shows a "Paso de Navas Cruz" also nearby at ca. 0150S/7852 (USBGN)].

NEGRA, LAGUNA; Imbabura 0008N/7815 (USBGN)
ca. 3,760 m, very small lake to SE of much larger Laguna de Mojanda [0008N/7816 (USBGN)], and almost connected to it, in the Mojanda [0008N/7817 (USBGN)] range on border of Pichincha and

Imbabura (Hoja CT ÑII-F3); collector?, date? (Hellmayr & Conover, 1948, Field Mus. Nat. Hist. Publ., Zool. Ser., **13**, pt. 1, no. 2, p. 359, as "Laguna Negra, Salvador"; significance of "Salvador" unknown).

NEGRO, RÍO; Morona-Santiago 0242S/7817 (USBGN)
Tributary of Río Paute [0246S/7816 (USBGN)] which rises in mountains of westernmost central Morona-Santiago, SW of Méndez [0243S/7819 (USBGN)], and enters the Paute close to Méndez (Mapa, 1957); old trail from Cuenca [0253S/7859 (USBGN)] to Méndez followed the river from its source (Brown, 1941, Ann. Entom. Soc. Amer., **34**:837); Loch, ca. 1935-1937 (FMNH); it is possible that the Loch records are from village of Río Negro [0124S/7813 (USBGN)], Tungurahua, rather than this river.

NIEBLE; Pichincha ca. 0006N/7831 (MHA)
7,500 ft [2,300 m] (Chapman, 1926a714); ca. 2,000 m, central northern Pichincha, 10 km NE of Nono [0004S/7835 (USBGN)] and 13 km W of Perucho [0007N/7825 (USBGN)] (MHA; Atlas Geog.); Festa, July 1897? (Salvadori & Festa, 1899a:9ff; Chapman, 1926a:731); Söderström Coll., at 7,000 ft [2,150 m], date ? (Lönnberg & Rendahl, 1922:85).

NOBOL; Guayas 0155S/8001 (USBGN)
ca. 50 m, central southern Guayas, 7 km SSW of Daule [0150S/7956 (USBGN)] and 30 km NNW of Guayaquil [0210S/7950 (USBGN)] (Atlas Geog.; Mapa, 1957 shows Nobol to have been changed to Piedrahita, but USBGN gives coordinates for Piedrahita as 0154S/8008; MHA, Mapa 1950, and Mapa 1957 all omit Nobol and show Piedrahita); Lévêque, 18 Mar. 1961 (Lévêque, 1964:54, 56, 61).

NONO; Pichincha 0004S/7835 (USBGN)
2,730 m, on western slope, on road to Nanegal [0007N/7846 (USBGN)], 17 km NNW of Quito [0013S/7830 (USBGN)] (Mapa, 1957); erroneously given as 1,200 m by Simon (1907:17) and as 3,900 ft [1,200 m] by Chapman (1926a:714); Rivet, between ca. 1899-1906 (Menegaux, 1911:40); Holstein, at and below, 3, 7, 9, 19 Feb. 1900 (USNM); Rosenberg Coll., 10 Mar. 1916, Feb. 1960 [?], Coale, date? (FMNH); Söderström Coll., at and in vicinity, with known dates of 9 Feb. 1908, 5 Feb. 1912, and Apr. 1918 (Lönnberg & Rendahl, 1922:17ff; CM); Zusi, 6 Nov., and 5 km S at Rancho Yanacoacha [not located], 21 Oct. 1976 (USNM); "L. S. M.," below

Nono at 8,500 ft [2,600 m], 3 Aug. 1914 (MCZ); Marin, nearby, 1 June, 9 July 1989 (WFVZ).

NORTH SEYMOUR ISLAND; Galápagos 0024S/9017 (USBGN)
Also = Seymour Island.

NUEVA LOJA (Mapa, 1990); see Lago Agrico.

NUEVO ROCAFUERTE; Pastaza 0056S/7524 (USBGN)
ca. 100-200 m, on right bank of Río Napo [0320S/7240 (USBGN)] at Ecuador/Peru border (MHA, where shown on the left bank, as "Rocafuerte"; Mapa, 1950); Olalla, 10 Nov. 1958 (Lévêque, 1964:55).

OLINDO Not located
Alt.?; collector?, date? (de Schauensee, 1949:562); *Heliodoxa imperatrix* has been recorded from here and is indicative of subtropical northwestern Ecuador.

OÑA; Azuay 0332S/7910 (USBGN)
2,920 m, southern Azuay, 15 km NNE of Zaraguro [Saraguro, 0336S/7913 (USBGN)] (MHA); Simons, at 2,000 m, at "Oña, Guishapa [Paguishapa, ca. 0335S/7920 (Atlas Geog.)]", 16 May 1899 (Chubb, 1919:3); Paynter and Norton, at irrigated patch in arid region, 10 km NW of Oña and 1 km W of bridge over Río Léon [0333S/7916 (USBGN)], at 1,900 m, 2-4 Nov. 1965 (MCZ; Paynter, 1972, Bull. Mus. Comp. Zool., **143**:313); Ridgely, below Oña in valley of Río Leones [Río Leon], on Azuay/El Oro border, 14 Feb. 1991 (Krabbe, 1992b:173); Ridgely and Finch, 2 km SW, at 1,900 m, 2 Mar. 1980 (Ridgely, 1980:245).

ONSLOW, ISLA; Galápagos 0114S/9026 (USBGN)

ORO, RÍO DE; Manabí 0028S/7936 (USBGN)
Short, right-bank headwater of Río Daule [0210S/7952 (USBGN)] in northeastern Manabí (MHA); Richardson, in virgin, humid tropical forest, on or near divide between Esmeraldas and Guayas drainage, 60 mi [97 km] inland, 7-30 Jan. 1913 (Chapman, 1926a:19, 717; USNM).

ORONGO; Pichincha Not located
ca. 5,500-6,500 ft [1,625-1,975 m], on road to Gualea [0007N/7850 (USBGN)], Söderström Coll., date? (Lönnberg & Rendahl, 1922:56).

OROSA (MCZ); in Peru; erroneously attributed to Ecuador.

ORRIBE Not located
Alt.?; collector?, date? (Olrog, 1967, Acta Zool. Lilloana, **22**:249); probably a misspelling.

OTAVALO; Imbabura 0014N/7816 (USBGN)
2,573 m, major town in south-central Imbabura, 50 km NE of Quito [0013S/7830 (USBGN)] (MHA); temperate, surrounded by cultivated land and pastures (Brown, 1941, Ann. Entom. Soc. Amer., **34**:838); Festa, 20-21 May 1897 (Salvadori & Festa, 1899a:11, as "Ottavalo"; Chapman, 1926a:731); Rivet, ca. 1898-1899 (Simon, 1907:17); Söderström Coll., from nearby Laguna de San Pablo [0013N/7812 (USBGN)], date? (Lönnberg & Rendahl, 1922:19); Olallas, at Laguna de San Pablo, 18 Mar. 1925 (MCZ, as "Lago San Pablo"); Berlioz, Aug. 1936 (Berlioz, 1937a:407); Lévêque, above Otavalo, at 3,400 m, May 1961, and at Laguna de San Pablo, 9-10 Oct. 1960, 13-15 May 1961 (Lévêque, 1964:60, 61); Greenfield, at Laguna de San Pablo, 16 Feb. 1980 (Ridgely, 1980:247).

OTONGORO, MONTE Not located
Alt.?; Olalla, 23 May 1930 (Stresemann, 1938:117); presence of *Urochroa b. bougueri* indicative of the northwestern slopes.

OTTAVALO (Salvadori & Festa, 1899a:11); see Otavalo.

OUCA YACO (Hellmayr & Conover, 1942:37); see U Occo Yacu.

OYACACHI; Napo 0010S/7807 (USBGN)
2,500 m (Simon, 1907:17, as "Oyacachi, Pichincha"); on eastern slope, 35 km NW of Baeza [0027S/7753 (USBGN)] (Mapa, 1974); Rivet, between ca. 1899-1906 (Menegaux, 1911:32); Olallas, in

vicinity, 2 Aug.-6 Nov. 1922, 17 Jan.-6 Feb., 2-12 Aug., 25-30 Sept., 2-8 Oct. 1923, Dec. 1930 (Chapman, 1926a:21, 714; FMNH; CM); Olallas, 26-29 Sept. 1967 (MCZ).

OYACACHI; Pichincha (Simon, 1907:17); see Oyacachi; Napo.

OYACACHI, RÍO; Napo 0022S/7747 (USBGN)
Major left-bank tributary of Río Quijos [0014S/7743 (USBGN)], with its headwaters deep within the Andes on the eastern slope of the mountain called Puntas [0013S/7811 (USBGN)] (Mapa, 1974); Spillmann, on Río Oyacachi, below El Chaco [0023S/7749 (USBGN)], 4 Nov. 1931 (Stresemann, 1938:117); Olallas, where?, Dec. 1933 (MCZ).

PACAYA Not located
Alt.?; "Occidente," Moore, 22 Apr. 1927 (CM); Austin, 1927 (Moore Coll.); a specimen of *Atlapetes rufinucha* is indicative of the subtropical/temperate zones; also see Mayo.

PACARITAMBO (Brosset, 1964:1); see Hacienda Pacaritambo.

PACHICUTZA; Zamora-Chinchipe Not located
1,400 m, 35 km ESE of Zamora [0404S/7858 (USBGN)], in valley of Río Nangaritza [0354S/7838 (USBGN)], on western slope of central Cordillera del Cóndor [0400S/7830 (USBGN)], Marin, et al., 3[?], 23-30 July, 1-8 Aug. 1989 (WFVZ; Krabbe, 1992b:172; LACMNH).

PACHIGAL (Chapman, 19261:331); see Tambillo, Río.

PACHIJAL (Menegaux, 1911:4); see Tambillo, Río.

PACHIJAL, RÍO (FMNH); see Tambillo, Río.

PACTO; Pichincha ? 0012N/7852 (USBGN)
ca. 1,200 m (Mapa, 1974); ca. 1,000 m (Mapa, 1950); Mapa, 1950 indicates that Pacto is on Río Nanegal [0007N/7846 (USBGN)] and ca. 7 and 15 km downstream from Gualea [0007N/7850 (USBGN)] and Nanegal [0007N/7846 (USBGN)], respectively; Mapa, 1957 places villages in the same relative position but on Río Alambi [0014N/7849 (USBGN)] and does not recognize the Río Nanegal; Mapa, 1974 shows both Gualea and Pacto well to W of river (unnamed); placement of Pacto on all three maps not in agreement with coordinates of USBGN; Stresemann (1937b:15) places Pacto on Río Verde [0104N/7925 (USBGN)], Esmeraldas but doubtless meant the Río Verde [not located], Pichincha (which see); Olallas, 13 Mar. 1928 (CM); Spillmann Coll., 3 June 1930 (Stresemann, 1937b:15), 20 May 1929, 20 Mar. 1930, 6, 10 Sept. 1931 (Stresemann, 1938:117); Olallas, June 1930, Gómez, Feb. 1940 (FMNH).

PACUBAMBA; Pichincha Not located
Alt.?; on Pichincha [0010S/7833 (USBGN)], Olalla, 27 Aug. 1929 (CM), 13 Jan. 1964 (MCZ).

PADREGAL (Oberholser, 1902:330); see Pedregal; Pichincha.

PAETO Not located
Alt.?; eastern Ecuador, d'Espinay, May 1922 (Berlioz, 1928b:437, 439); possibly a misspelling of "Pacto," although Pacto is on the western slope; source of *Lipaugus cryptolophus*, an upper tropical/subtropical species.

PAGINA FOREST (ANSP); see Pagma.

PAGMA; Chimborazo Not located
6,200 ft [1,900 m] (ANSP); on western slope, subtropical zone, above Huigra [0217S/7859 (USBGN)], Rhoads and Lemmon, 19-27 Mar., 30 June-4 July 1911 (Chapman, 1926a:714, as "Pagma Forest"); specimens in ANSP also cited as "Pagina Forest, Chunchi [0217S/7855 (USBGN)]" and as "Paguia Forest"; evidently a site, badly misspelled, on railroad as it ascends Andes from the coastal plain.

PAGMA FOREST (Chapman, 1926a:714); see Pagma.

PAGUASIQUE Not located
Alt.?; Olalla, 1929 (AMNH); source of *Heliangelus strophianus*, indicative of subtropical northwestern Ecuador.

PAGUIA FOREST (ANSP); see Pagma.

PAGUISHAPA; Loja ca. 0335S/7920 (Atlas Geog.)
2,000 m (Chubb, 1919:3); 2,400 m (Brown, 1941, Ann. Entom. Soc. Amer., **34**:838); on road from Cuenca [0253S/7859 (USBGN)] to Loja [0400S/7913 (USBGN)], in northern Loja province, ca. 13 km SSW of Oña [0332S/7910 (USBGN)], just over the border with Azuay (Atlas Geog.); Brown (loc. cit.) indicates that "Guishapa" is an error for Paguishapa and gives the coordinates as "ca. 0321S/7921," but as this would place Paguishapa N of Oña it is obviously erroneous; Simons, 16 May 1899 (Chubb, 1919:3, as "Oña, Guishapa"); Hellmayr, 1937, Field Mus. Nat. Hist. Publ., Zool. Ser., **13**, pt. 10, p. 203, as "Guichapa, Oña"); see, also, Mararuria.

PAITA (Cory & Hellmayr, 1925, Field Mus. Nat. Hist. Publ., Zool. Ser., 13, pt. 4, p. 23, as "Payta"); in Peru; erroneously attributed to Ecuador.

PAJAR VACA; Napo Not located
Alt.?; collector? [Olalla ?], on Río Cotapino [ca. 0048S/7726 (Mapa, 1957)], date? (Hellmayr & Conover, 1948, Field Mus. Nat. Hist. Publ., Zool. Ser., **13**, pt. 1, no. 2, p. 225).

PALABÍ, RÍO; Esmeraldas 0111N/7843 (USBGN)
Small river in extreme northern Esmeraldas, apparently a tributary of Río Tulubi [0108N/7846 (USBGN)], which flows into Río Santiago [0105N/7858 (USBGN)] (Mapa, 1950; Mapa, 1957); Olalla, 4 July 1963 (Norton, et al., 1972:890, as "Río Palaví").

PALAMBLA (Chapman, 1926a:428); in Peru; erroneously attributed to Ecuador.

PALAVÍ, RÍO (Norton, et al., 1972:890); see Palabí, Río.

PALENQUE; Los Ríos 0102S/7928 (USBGN)
260 ft [75 m], humid tropical zone (Chapman 1926a:714); central

western Los Ríos on Río Vinces [0139S/7947 (USBGN)], 19 km ESE of Balzar [0122S/7954 (USBGN)] (MHA); Rivet, ca. 1898-1899 (Simon, 1907:16); not to be confused with the research station "Centro Científico Río Palenque," ca. 5 km S of Puerto Ila [0033S/7922 (USBGN)].

PALENQUE, RÍO; Los Ríos 0102S/7928 (USBGN)
Tributary of Río Vinces [0139S/7947 (USBGN)], rising near Santo Domingo de Los Colorados [0015S/7909 (USBGN)] as Río Baba and changing to Río Quevedo before becoming Río Palenque, near Quevedo [0102S/7929 (USBGN)] (Mapa, 1957); nomenclature of the river and its components differs between maps; USBGN, which does not separate Río Baba and Río Quevedo from Río Palenque, is followed here; Hammond, on river at Quevedo, Aug. 1914 (FMNH); not to be confused with Centro Científico Río Palenque, which is sometimes referred to simply as "Río Palenque," e. g., van den Berg & Bosman, 1984:153.

PALETILLA (Chapman, 1919:259); see Paletillas.

PALETILLAS; Loja 0411S/8017 (USBGN)
ca. 500 m, in extreme southwestern Loja, almost on Peru border, at head of Quebrada Cerro Verde [0410S/8027 (USBGN)], 30 km SW of Alamor [0402S/8002 (USBGN)] and 35 km WSW of Celica [0407S/7959 (USBGN)] (Mapa, 1950; Mapa, 1957); collector? [Watkins?], date? [1919?] (Chapman, 1919, Proc. Biol. Soc. Washington, 32:259, as "Paletilla"; 1926a:636, as "Paletillas, Peru").

PALICHTAGUA; Tungurahua ? Not located
7,800 ft [2,375 m], Stolzmann, date? [ca. 1884?] (Taczanowski & Berlepsch, 1885:90); possibly near Hacienda Mapoto [not located] and Machay [0124S/7816 (USBGN)], in region of upper Río Pastaza [0455S/7624 (USBGN)], Tungurahua.

PALLATANGA; Chimborazo 0159S/7857 (USBGN)
4,950 ft [1,500 m] (Chapman, 1926a:714); far up in valley in central western Chimborazo, 25 km W of Guamote [0156S/7843 (USBGN)], on Río Pallatanga [0200S/7858 (USBGN)] which enters the Río Coco [ca. 0205S/7900 (Mapa, 1957)], a tributary of Río Chimbo [0217S/7924 (USBGN)] (MHA; Mapa, 1950; Mapa, 1957); see comments under Río Pallatanga regarding problems with the names of the rivers; surrounding mountains forested [now?] with some páramo (Chapman, 1926a:714); slopes semi-arid (Brown, 1941,

Ann. Entom. Soc. Amer., **34**:838); Fraser, Aug. 1858-Jan. 1859 (Sclater, 1859d:135; 1860a:73); Buckley, 1870? (Gould, 1871b:803; 1872:196); Söderström Coll., date? (Lönnberg & Rendahl, 1922:57); Chapman, et al., 29-30 July 1922 (Chapman, 1926a:21); Mena, 22 Oct. 1929 (CM); Olalla, 21, 23 Feb. 1967 (MCZ); see, also, Mimbo, Puente de.

PALLATANGA, RÍO; Chimborazo/Bolívar 0200S/7858 (USBGN)
Rises in mountains E of Pallatanga [0159S/7857 (USBGN)], abruptly turns SSW at Pallatanga, and enters Río Chimbo [0217S/7924 (USBGN)] on Chimborazo/Bolívar border (Mapa, 1950); Mapa, 1957 and Mapa, 1974 show the segment S of Pallatanga as Río Coco and do not name the Río Pallatanga; USBGN cites no Río Coco; Cherrie and O'Connell, at 2,425 ft [750], at confluence of Río Coco and Río Chimbo, ca. 10 mi [16 km] N of Puente de Chimbo [0210S/7910 (Brown, 1941, Ann. Entom. Soc. Amer., **34**:821)], in narrow valley floor from which heavily forested mountains rise steeply, fauna mixed humid tropical and subtropical, 27-31 July 1922 (Chapman, 1926a:13, 708, as "Río Coco").

PALMAL (Taczanowski, 1877a:331); see Palmales.

PALMALES; El Oro 0341S/8007 (USBGN)
93 m, on Quebrada Palmales [0339S/8012 (USBGN)], a tributary of Río Zarumilla [0326S/8014 (USBGN)], ca. 13 km SSW of Arenillas [0333S/8004 (USBGN)] (MHA, as "Palmares" and "Río Palmares"; Mapa, 1957); virgin forest [1876], Jelski and Stolzmann, 1876 (Taczanowski, 1877:331, as "Palmal"); Hellmayr, 1929, Field Mus. Nat. Hist. Publ., Zool. Ser., **13**, pt.6, p. 83, as "Palmar."

PALMAR (Hellmayr, 1929:83); see Palmales.

PALMA REAL; Imbabura 0020N/7856 (USBGN)
ca. 500-700 m, in extreme western Imbabura, at western end of Cordillera de Intag [0008N/7850 (USBGN)], on Río Guaillabamba [0028N/7925 (USBGN)] (MHA); Söderström Coll., date? (Lönnberg & Rendahl, 1922:58).

PALMARES (MHA); see Palmales.

PALMAS; Azuay 0241S/7835 (USBGN)
ca. 2,500 m, on eastern slope of northeastern Azuay, in valley of Río Paute [0246S/7816 (USBGN)], 16 km NE of town of Paute

[0247S/7850 (USBGN)] (MHA; Mapa, 1974); Olallas, 23-30 Jan. 1932 (Berlioz, 1932b:620, as "Las Palmas"; LACMNH, as "Las Palmas").

PALMAS; Loja 0341S/7928 (USBGN)
Alt.?; on western slope, short distance E of Zaruma [0341S/7937 (USBGN)]; does not appear on maps available to us; Corado, 26 km SE, 4 Mar. 1989 (WFVZ).

PALMIRA; Tungurahua Not located
Alt.?; E of Baños [0124S/7825 (USBGN)], collector?, date? (Chapman, 1926a:208).

PALMITO (Menegaux, 1911:105); see Palmito Palma.

PALMITO PALMA; Pichincha 0006N/7844 (USBGN)
Alt.?; near Nanegal [0007N/7846 (USBGN)] on the western slope; not found on maps available to us; Rivet, between ca. 1899-1906 (Menegaux, 1911:105, as "Palmito (Nanegal)").

PALM PEAK; Napo ca. 0039S/7736 (Norton, 1965:3)
1,500 m, on rim of altiplano which slopes gradually up to final steep slope of Volcán Sumaco [0034S/7738 (USBGN)], Norton, 6-14 Aug. 1964 (Norton, 1965:3); coined name translated from the Quechuan *Ramus-Urcu;* see, also, Ramos Urcu.

PALOMA Not located
Alt.?; Olalla, Aug. 1935 (FMNH, as "Paloma, Santa Cruz").

PALUDI
Paynter & Traylor (1977:87) misinterpreted Salvadori & Festa's phrase (1900:45) "Paludi presso Cañar" to mean "town of Paludi, near Cañar," but it is Italian for "ponds near Cañar."

PALUGUILLO (Moore, 1934d:98); see Hacienda Paluguillo.

PAMBILÁR Not located
Alt.?; tropical zone of northwestern Ecuador, collector?, date? (Chapman, 1926a:714); possibly in vicinity of Río Pambil [0046N/7905 (USBGN)], Esmeraldas.

PAMPA DE LIMPIO (MCZ); see Pampa de Limpios.

PAMPA DE LIMPIOS; Pichincha ca. 0037S/7828 (Hoja CT Ñ-III-D3)
3,700 m (MCZ); on northwestern slope of Cotopaxi [0040S/7826 (USBGN)] (Hoja CT Ñ-III-D3); Norton, 5 Sept. 1964 (MCZ, as "Pampa de Limpio").

PAN DE AZÚCAR; Napo 0020S/7740 (USBGN)
3,600 m, somewhat isolated massif on eastern slope, 25 km N of Volcán Sumaco [0034S/7738 (USBGN)] and ca. 25 km NE of Borja [0025S/7750 (USBGN)] (Mapa, 1957, as "Cerro Pan de Azúcar"; Mapa, 1974 as "Cerro Pan de Azúcar"); Sibley and Varza, 2 km S, 6[?], 27-30 Sept., 1, 5-8, 10-24 Oct. 1989 (WFVZ); Krabbe, at 1,300 m, on northern flank, 2-3 Nov. 1990 (Krabbe, 1992b:172).

PANTAVI; RÍO; Imbabura Not located
A right-bank tributary of upper Río Guaillabamba [0028N/7925 (USBGN)], ca. 50 km in length, rising in the western Andes of Imbabura, Ortiz-Crespo, at headwaters between the mountains of Cotacachi [0022N/7820 (USBGN)] and Yana-urcu de Piñán [0029N/7820 (USBGN)], at 3,600 m, 22 Dec. 1975 and Bleiweiss, in same area, 23 June 1980 (Ortiz-Crespo & Bleiweiss, 1982); the river does not appear on our maps.

PANTICUCHO; Tungurahua Not located
2,200 m, near Baños [0124S/7825 (USBGN)] on the eastern slope, Clarke-Macintyre Coll., 19 Sept., 4, 7 Oct. 1937 (MCZ); Olalla, Apr. 1939 (FMNH).

PANZA; Chimborazo Not located
14,000 ft [4,275 m], on southern slope of Chimborazo [0128S/7848 (USBGN)], open páramo with bushes and stunted trees characteristic of upper humid temperate zone, Fraser, Jan. 1859 (Chapman, 1926a:714); Menegaux, 1911:6, as "Pariza."

PAPALLACTA; Napo 0022S/7808 (USBGN)
3,149 m, on eastern slope, on main northern route into the Amazon basin, 45 km SE of Quito [0013S/7830 (USBGN)] and 30 km W of Baeza [0027S/7753 (USBGN)] (MHA; Mapa, 1974); "in verdant bend of [Cerro] Antisana [0030S/7808 (USBGN)]" (Chapman, 1926a:714); Festa, 1897 (Salvadori & Festa, 1899a:10; Chapman, 1926a:731); Goodfellow and Hamilton, Feb. 1899 (Goodfellow, 1901:309); Rivet, ca. 1898-1899 (Simon, 1907:17, as "Papallacta, Pichincha"); Söderström Coll., date? (Lönnberg & Rendahl, 1922:59); Olallas, 6-7 Sept. 1922, 22 July, 13, 27 Sept., 26 Oct. 1923, 10 Mar. 1927, 16

June 1928,18, 20 May 1929, 16 Feb., 17, 20 May 1932 (Chapman, 1926a:21; CM); Moore, in vicinity, several days in Sept. or Oct. 1929 (Moore, 1934d:100-104); Clarke-Macintyre Coll., 4 Oct. 1937 (MCZ); Olalla, Aug. 1945 (FMNH); Menas, 6, 10 June 1963 (MCZ); Zusi, 31 Oct., and 5 km NW, 15 Nov. 1976 (USNM); Sibley and Sibley, 3 km E, on Pifo [0014S/7820 (USBGN)]/Baeza road, 8 Sept., Kiff, 1 km SW, 16 Oct., Schmitt, 4 km W, 16 Oct., Kiff, 6 km W, 16 Oct. 1987 (Kiff, et al., 1989:29; WFVZ); Whitney, 9 km [by road] E, in valley of Río Chalpi Grande [Río Chalpi, 0023S/7803 (USBGN)], at 2,700 m, 25 Mar., 1 Apr. 1990 (Whitney, 1993).

PAPALLACTA; Pichincha (Simon, 1907:17); see Papallacta; Napo.

PAPALLACTA, BAÑOS DE (Moore, 1940:252); see Baños, Quebrada de.

PAPALLACTA, LAGO DE; Napo ca. 0024S/7811 (Mapa, 1957)
ca. 3,000 m, a short distance W of town of Papallacta [0022S/7808 (USBGN)], on eastern slope (Mapa, 1950; Mapa, 1957); Simons, May 1914 (Chubb, 1919:277, as "Papallacta Lake").

PAPALLACTA LAKE (Chubb, 1919:277); see Papallacta, Lago de.

PAQUISHA; Zamora-Chinchipe ca. 0354S/7842 (Mapa, 1974)
ca. 1,200 m, on Río Nangaritza [0345S/7838 (USBGN)], 37 km NW of Zamora [0404S/7858 (USBGN)] (Mapa, 1957; Mapa, 1974); Ridgely and Wilcove, N of Paquisha, at 950 m, 24 July 1978 (Leck, 1980:312; Ridgely, 1980:264).

PARAMBAS, MONTES DE (FMNH); see Hacienda Paramba.

PARAMILLO, PARAMO DE (FMNH); see Jaramillo, Páramos de.

PÁRAMOS Not located
4,500 m, Simons, 23 Jan. 1899 (Chubb, 1919:268); unknown whether label intended to indicate specimen was collected at a locality named "Páramos" or was merely an indication that the species is characteristic of páramos.

PAREDONES; Azuay 0329S/7908 (USBGN)
4,000 m, in páramo, Festa, Oct. 1896? (Salvadori & Festa, 1899a:2, as "Paredones and Laguna de Culebrillas," p. 25; 1899b:19, as "Culebrillas (Paredones)"; 1900:41, as "Laguna de Culebrillas"); seems to be on Cerro Yanauroco [0332S/7904 (USBGN)], to E of

Oña [0332S/7910 (USBGN)]; it appears that Laguna de Culebrillas is at Paredones

PARIZA (Menegaux, 1911:6); see Panza.

PASCUALES; Guayas 0205S/7956 (USBGN)
ca. 100 m, on Río Daule [0210S/7952 (USBGN)], 15 km NNW of Guayaquil [0210S/7950 (USBGN)] (MHA); Olalla, Oct. 1945 (FMNH).

PASOCHOA; Pichincha 0028S/7829 (USBGN)
4,199 m, mountain 25 km N of Cotopaxi [0040S/7826 (USBGN)] in eastern cordillera (MHA, as "Cerro Pasochoa"; Mapa, 1950, as "Pasuchoa"); collector?, altitude?, date? (Orces, 1944:117).

PASOCHOA, BOSQUE PROTECTOR; Pichincha Not located
2,800-4,000 m, reserve 5 km E of Amaguaña [0022S/7830 (USBGN)] and Tambillo [0024S/7833 (USBGN)], observers?, dates? (Ortiz-Crespo & Carrión, 1991:29); central eastern Pichincha, in Central Valley, presumably on northern slope of Pasochoa [0028S/7829 (USBGN)].

PASOCHOA, CERRO (MHA); see Pasochoa.

PASTASSA, RÍO (Hartert & Hartert, 1894:43); see Pastaza, Río.

PASTAZA, PROVINCIA DE 0145S/7650 (USBGN)
Eastern Ecuador; bounded on N by Napo, on E by Peru, on S and SW by Morona-Santiago, and on W by Tungurahua; former Provincia de Napo-Pastaza now divided into Pastaza and Napo.

PASTAZA, RÍO; Tungurahua/Pastaza/Morona-Santiago 0455S/7624 (USBGN)
Major affluent of Río Marañón [0430S/7327 (USBGN)], rising deep in eastern Andes W of Baños [0124S/7825 (USBGN)] in vicinity of Ambato [0115S/7837 (USBGN)] and flowing SE through Amazonian lowlands into Peru; Buckley, at Santa Inés [0125S/7812 (USBGN)], 1870 and at Ulba [0124S/7822 (USBGN)] and Baños, autumn 1870 (Gould, 1871a:803, as "St Ines" and "Ulva"); Vascomez, "probably East Andean slope below Los Baños," date? [1880s?] (Chapman, 1922, Amer. Mus. Novit., no. 31, p. 4); Stolzmann, at Baños, ca. Nov. 1883-Feb. 1884, and Hacienda Mapoto [not located] and Machay [not located], all about same time, and also at Palichtagua

[not located], date? [1884?] (Taczanowski & Berlepsch, 1885:67ff); Simons, at Mirador [ca. 0126S/7815 (Brown, 1941:836)], 1 Feb. 1890 (Chubb, 1919:287); Baron, 2 days' travel E of Baños and at Río Negro Hacienda [Río Negro, 0124S/7813 (USBGN)], July-Aug. 1893, and also at Baños, Oct. 1893 [?] (Hartert & Hartert, 1894:43ff, as "Río Pastassa"); Rivet, at Santa Inés, ca. 1898-1899 (Simon, 1907:17); Palmer, at Baños, 14 Aug. 1910 (FMNH); Söderström Coll., at Baños, dates? (Lönnberg & Rendahl, 1922:60); Austin, at Mera [0128S/7808 (USBGN)], 12 May 1927 (CM); Clarke-MacIntyre Coll., at Baños, 27 July 1927 [?] (CM), 12 June 1937-Feb., Nov. 1938 (MCZ; FMNH; WFVZ; LACMNH); Olalla, at Yunguilla [0123S/7818 (USBGN)], July, Nov., 1930, May, Nov., 1931 (Berlioz, 1932a:236); Olalla, at Mera, Apr., Nov. 1931 (Berlioz, 1932:240-241); Olallas, at Mera, 24 Apr. 1931, 19 Jan., Apr. 1932, 15 Jan. 1933, Loch, at Mera, ca. 1935-1937, Gómez, at Mera, July 1939 (FMNH; CM); Olallas, at Baños, Jan. 1932 (FMNH); Loch, at Ulba, ca. 1935-1937 (FMNH); Olallas, at Guacki [not located; probably Huachi Chico, 0116S/7838 (USBGN)], 16-19 Jan. 1936 (CM; Moore Coll.); Olalla, where?, Jan. 1936 (FMNH); Mission Flornoy, at Laguna de Siguin [not located] on right bank, between July-Oct. 1936 (Berlioz, 1937c:354); Gómez, where?, May 1937 (USNM); Clarke-MacIntyre Coll., at San Francisco [? 0118S/7830 (USBGN)], 21-22 Sept., 11-16 Oct., Nov. 1937 (FMNH; MCZ); Clarke-MacIntyre Coll., at Huagrapamba [not located], 8-10 Dec., and at La Palmera [not located], 23 Dec. 1937 (FMNH; MCZ); Clarke-Macintyre Coll., at Yunguilla, 4-6 Feb. 1938 (MCZ); Olalla, at Andreas [not located; probably Andoas intended], Oct. 1938 (FMNH); Olalla, where?, Mar. 1939 (FMNH); Olallas, at Baños, Oct. 1943 (FMNH); Norton, at Río Negro, 12-14 Sept. 1964 (Norton, 1965:2); Andi, at Shell Mera [0130S/7803 (USBGN)], 10 Sept. 1965 (WFVZ); De Lafebra, at Río Negro, Aug., 2-4, 6-7, 14-15, 17 Sept. 1966 (CM); Bleitz, at Baños, 4 July 1969, Bleitz Coll., at Baños, June 1969, 3 May 1971 (WFVZ); Arvey, at Baños, 24-25, 27 Dec. 1971 (LACMNH); Zusi, at Río Negro, 28 Oct. 1978 (USNM); collector?, at La Victoria [not located], date? (Hellmayr & Conover, 1942, Field Mus. Nat. Hist. Publ., Zool. Ser., **13**, pt. 1, no. 1, p. 187).

PASTAZA ANDEAS (Hellmayr & Conover, 1949:41); see Andoas.

PASTOCALLE (WFVZ); see San Juan de Pastocalle.

PASUCHOA (Mapa, 1950); see Pasochoa.

PATA DE PÁJARO; Manabí ? 0002N/7959 (USBGN)
ca. 300 m, village near base at western side of Montañas de Chindul [0007N/7946 (USBGN)], ca. 18 km inland, northern Manabí (Mapa, 1957, as "Pata Pájaro"; Mapa, 1974, as "Para Pájaro"); both Mapa, 1957 and Mapa, 1974 show at ca. 0002S; Tate, June-July 1923 (Chapman, 1926a:715, as "Cerro of Pato de Pajaro").

PATA DE PÁJARO, CERRO; Manabí 0002N/7958 (Parker & Carr, 1992:29)
800 m, mountain with isolated cloud, fog, and wet forests of ca. 800 ha in northern Manabí, E of Pedernales [0005N/8003 (USBGN)], Conservation International group, at 650-800 m, 20-21 July 1991 (Parker & Carr, 1992:14, 29-32, 67); not indicated on available maps although the town of Pata de Pájaro [0002N/7959 (USBGN)] is.

PATA PÁJARO (Mapa, 1957); see Pata de Pájaro.

PATATE; Tungurahua 0119S/7831 (USBGN)
7,530 ft [2,300 m] (Chapman, 1926a:715); on eastern slope on Río Patate [0123S/7826 (USBGN)], a headwater of Rio Pastaza [0455S/7624 (USBGN)], 18 km SE of Ambato [0015S/7837 (USBGN)] and 18 km NW of Baños [0124S/7825 (USBGN)] (MHA); Rivet, ca. 1898-1899 (Simon, 1907:17).

PATO DE PAJARO, CERRO OF (Chapman, 1926a:715); see Pata de Pájaro.

PAUCHSI JACU, RÍO (MCZ); see Galeras, Cordillera de.

PAUMA, CERRO Not located
Alt.?; "Occidente," Olallas, 19 Oct. 1927, 26 Mar. 1928 (CM); probably in Pichincha; the Olallas were at Gualea [0007N/7850 (USBGN)] on 20 Mar. 1928.

PAUSHIYACU, RÍO; see Galeras, Cordillera de.

PAYAMINO; Napo 0030S/7717 (USBGN)
304 m (de Schauensee, 1951:2); in eastern lowlands on middle upper Río Payamino [0029S/7700 (USBGN)], 20 km N of Loreto [0038S/7719 (USBGN)] (Mapa, 1950; Mapa, 1957; Mapa, 1974, as

"San José de Payamino"); Colwell Coll., presumably at the town, date? (de Schauensee, 1951:2, 6).

PAYAMINO, RÍO; see Coca.

PAYTA (Cory & Hellmayr, 1925:23); error for Paita, Peru.

PECHAHAL Not located
3,000 ft [900 m], Söderström Coll., date? (Lönnberg & Rendahl, 1922:53); presence of *Androdon aequatorialis* is indicative of the Pacific slope; may refer to Rio Pachijal; see Tambillo, Río.

PEDREGAL; Chimborazo Not located
2,600 ft [800 m], near Cayandeled [ca. 0207S/7859 (Chapman, 1926a: map)], on western slope, Stolzmann and Siemiradski, Jan.-Mar. 1883, with known date of 16 Feb. (Berlepsch & Taczanowski, 1884:282; USNM).

PEDREGAL; Cotopaxi or Pichincha ? Not located
11,000 ft [3,350 m], on northern side of Cotopaxi [0040S/7826 (USBGN)], Söderström Coll., date? (Lönnberg & Rendahl, 1922:27); possibly this the Río Pedregal [0029S/7825 (USBGN)] which rises on northern side of Cotopaxi.

PEDREGAL; Pichincha Not located
Alt.?; on eastern slope of Pichincha [0010S/7833 (USBGN)], Goodfellow and Hamilton, Nov.-Dec. 1898 (Goodfellow, 1901:704); Oberholser, 1902:330, as "Padregal."

PEDREGALI (USNM); see Pedregal; Chimborazo.

PEDRO VICENTE MALDONADO; Pichincha Not located
Alt.?; Sornoza, Marin, and Livingstone, 17-19 km N, at 600 m, 28-31 May, 1-17 June 1992 (WFVZ; Marin, in litt.); specimens from here are typical of the lower western slope.

PELADO, ISLA; Guayas 0154S/8050 (USBGN)
ca. 20 m (Murphy, 1936, *Oceanic Birds S. Amer.*, Vol. 1, p. 309); small island off central Guayas, in Esenada de Valdivia [0157S/8044 (USBGN)], 10 km offshore from town of Valdivia [0157S/8044 (USBGN)] (Mapa, 1957); desert-like, steep-walled, bald, guano-stained top, Murphy and Heilner, 14 Feb. 1924 (Murphy, 1936, op.

cit., pp. 29, 308-309); Marchant, Dec. ca. 1955 (Marchant, 1958:356); Mills, 5 May 1966 (Mills, 1967:535).

PELAGALLO; Pichincha 0009N/7832 (USBGN)
ca. 1,500-2,000 m, in drainage of Río Guaillabamba [0028N/7925 (USBGN)], on opposite side of Montañas de Nanegal [0007N/7840 (USBGN)] from town of Nanegal [0007N/7846 (USBGN)] (Mapa, 1950, which shows at ca. 0010N/7837); Festa, June 1897 (Salvadori & Festa, 1899a:17; Chapman, 1926a:730); Rivet, between ca. 1899-1906 (Menegaux, 1911:100).

PEÑAS DE PENANEGRA; Imbabura ? Not located
Alt.?; Olallas, July 1935 (FMNH); probably near Hacienda Paramba [0049N/7821 (USBGN)], Imbabura, where Olallas also were in July 1935.

PENIPE; Chimborazo 0134S/7832 (USBGN)
8,027 ft [2,450 m], arid temperate (Chapman, 1926a:715); at western base of eastern cordillera, 20 km NE of Riobamba [0140S/7838 (USBGN)] (MHA); Fraser, June and/or Aug. 1858 (Sclater, 1859c:549, as "Pinipi"); Olalla, on Penipe road near Riobamba, 7 Sept. 1929 (CM).

PERAMBA (Cory, 1918:189); see Hacienda Paramba.

PERAMBE (Cory, 1918:84); see Hacienda Paramba.

PERIPA, RÍO; Manabí/Pichincha 0053S/7943 (USBGN)
Tributary of Río Daule [0210S/7952 (USBGN)] which rises to SW of Santo Domingo de Los Colorados [0015S/7909 (USBGN)] and enters the Daule ca. 28 km NW of Quevedo [0102S/7929 (USBGN)] (Mapa, 1957); Festa, on Río Daule from Balzar [0122S/7954 (USBGN)] N to Río Peripa, 10 Oct.-27 Dec. 1897 (Salvadori & Festa, 1899a:6; 1899b:4; Chapman, 1926a:718, 732).

PERRO (USNM); see Hacienda Paramba.

PERUCHO; Pichincha 0007N/7825 (USBGN)
1,830 m, in upper valley of Río Guaillabamba [0028N/7925 (USBGN)], 38 km N of Quito [0013S/7830 (USBGN)] (MHA); Fraser, Apr. 1859 (Sclater, 1860c:83); Rivet, ca. 1898-1899 (Simon, 1907:17); Kiff, 15 km SW, 15 Feb., and Corado, W of Perucho, at 2,300 m, 4 June 1989, 13 July 1990 (WFVZ; Marin, in litt.).

PESCADO, RÍO; Guayas ? Not located
Baron, Jan., 18 Feb., Mar.-Apr., July 1893 (Hartert & Hartert, 1894:43, 47, 54); evidently not the Río Pescado [0125S/8015 (USBGN)] in southeastern Manabí, as Hartert & Hartert (1894:43) mention the proximity of the river to Naranjal, which presumably is the Naranjal in southeastern Guayas at 0242S/7937 (USBGN); about 20 km SE of the mouth of the Río Pescado in Manabí there is another Naranjal [0130S/6954 (USBGN)], but this is not *near* the river nor would it be a logical reference point; also, it is known that Baron was in the vicinity of the more southern Naranjal en route to Cuenca [0253S/7859 (USBGN)].

PESILLO (MHA); see Hacienda Pesillo.

PICHÁN; Pichincha Not located
Alt.?; near Mindo [0002S/7848 (USBGN)] on the Pacific slope, Rivet, between ca. 1899-1906 (Menegaux, 1911:80, as "Pichan (Mindo)"); Mena, 14 July 1939 (LACMNH); probably this is a reference to Río Pichán [0001N/7835 (USBGN)], which is in the vicinity of Mindo.

PICHÁN, QUEBRADA (CM); see Pichán, Río.

PICHÁN, RÍO; Pichincha 0001N/7835 (USBGN)
On northern side of Pichincha [0010S/7833 (USBGN)], rising near Calacalí [0001N/7831 (USBGN)] and apparently a headwater of Río Nanegal [0007N/7846 (USBGN)] (Atlas Geog.); Olallas, 7 Jan. 1932 (CM, as "Quebrada Pichán").

PICHÁN, VOLCÁN; Pichincha. Not located
Alt.?; Olallas, 24 Nov. 1931 (CM); Olalla, 20 Jan. 1964 (MCZ); presumably on the western slope near Río Pichán [0001N/7835 (USBGN)].

PICHINCHA; Pichincha 0010S/7833 (USBGN)
Volcano with two summits, viz. Guagua Pichincha [0010S/7836 (USBGN)] at 16,000 ft [4,875 m] and Rucu Pichincha [0010S/7834 (USBGN)] at 15,400 ft [4,425 m] (Chapman, 1926a:715); Menegaux (1911:115) cites a third, "le cratere"; rises above Quito [0013S/7834 (USBGN)] (MHA); name used in a regional sense, with collecting from subtropical to páramo zones; for 2,000 ft [600 m] above Quito the slopes are covered with flowering bushes and stunted trees, Jameson, above 11,000 ft [3,350 m], ca. 1849 (Jardine, 1849:41,

44); Fraser, Feb.-Apr., 5 June 1859 (Sclater, 1860b:73, 80); Festa, June 1897? (Salvadori & Festa, 1899a:25; Chapman, 1926a:730-731); Rosenberg, 1897 (FMNH); Goodfellow and Hamilton, Nov.-Dec. 1898 (Goodfellow, 1901:309); Rivet, from mountain, crater, lower summit (as "Ruco Pichincha"), and "Paramos" and "Rochers" du Mozo Pichincha, Cordillera, etc., ca. 1899-1906 (Menegaux, 1911: 33ff); Holstein, at varying altitudes, 1, 6, 20, 24 Jan., 7, 9, 19 Feb. 1900, collectors?, 1 Nov. 1910, 10 May 1914 (USNM); Rhoads, 26 Apr. 1911 (Stone, 1928, Repts. Princeton Univ. Exped. Patagonia 1896-1899, Vol. II, Pt. V, p. 743); Rhoads, at S base, 1, 7 May 1911 (WFVZ); Rhoads and Lemmon, in páramo above Hacienda Rosario [0026S/7834 (USBGN)], 1, 12 May 1911 (Rhoads, 1912:142-149; CM); Richardson, 31 May 1913 (USNM); Henn, on Guagua Pichincha, 28-29 Jan., 1 Feb. and on Rucu Pichincha, 15, 19 Jan., 1 Feb. 1914 (CM); Goodfellow, at 12,000 ft [3,650 m], Nov. 1914 and at ca. 11,000 ft [3,350 m], Feb. 1915 (Chubb, 1919:46-47); Henn, 1914, collector? [Henn?], 19 Jan. 1914 (USNM, as "Guagua"); Söderström Coll., on various sides with known dates of 9 Feb. 1908, 9 Feb. 1909, 17 Feb. 1917, 24 June 1924, 10 Jan. 1925 (Lönnberg & Rendahl, 1922:71; CM); Olallas, at "crater of Pichincha," 6 Dec 1923 (Chapman, 1925c) and 14 Dec. 1927 (CM); Olalla, on NE slope at Cascajal [not located], 7 Apr. 1927 (CM); Olallas, in "Páramo del Pichincha," Feb.-Mar. 1929, Aug. 1930, Loch, ca. 1935-1937 (FMNH); Berlioz, Aug. 1936 (Berlioz, 1937:404); Clarke-Macintyre Coll., from 4,000 m, 11 Oct., 2-16 Nov. 1937, 6, 12-13 Jan. 1938 (MCZ); Mena, 1, 7, 17 Oct., 14 Nov., 2-4, 11, 14 Dec. 1937, 20 Sept. 1938, 8 Apr., 10 May, 20 June, 2 Dec. 1939 (LACMNH) and 14 Dec. 1939 (WFVZ); Olalla, 18 Nov. 1937 and Monge, 3 Oct. 1938 (LACMNH); Olalla, Nov. 1943 (FMNH); Lévêque, 4,000 m, 25 Jan. 1960, 21 May 1961 (Lévêque, 1964:61); Olalla, at "crater of Pichincha," 7 Apr. 1963, on slopes, 27 Mar., 7 Apr. 1963, 13-19 Jan., 19-20 June 1964 (MCZ); Zusi, 4 Nov. 1976 (USNM); Schuchmann, on W slope at 3,500 m, 16 Feb. 1977 (Schuchmann, 1988); Bleiweiss and Olalla, in vicinity, three weeks in September 1980, including on Cerro Pugsi [not located], on W slope, above upper Río Mindo [0003N/7909 (USBGN)], at 3,020 m, 19-27 Sept. (Bleiweiss & Olalla, 1984); Sibley, on E side, at 3,000 m, 2 km W of Quito, 24 July, Kiff and Schmitt, same locality, 14-16 Oct. 1987 (Kiff, et al., 1989:26); Schulenberg, on N slope, 19 Aug. 1987 (USNM); Sibley, in large canyon on E side, 31 Aug.-2 Sept. 1987, Marin and Schmitt, on E slope, 3, 6 July 1989, Marin, 9, 16, 21 Nov. 1991 (WFVZ); also see Yanacocha and Tichineha.

PICHINCHA, PÁRAMO DEL (FMNH); see Pichincha.

PICHINCHA, PROVINCIA DEL 0010S/7840 (USBGN)
North-central Ecuador; bounded on N by Imbabura, on E by Napo, on S by Cotopaxi and Guayas, and on W by Manabí and Esmeraldas.

PIEDRAS; El Oro 0338S/7955 (USBGN)
ca. 200-500 m, southern El Oro in foothills at edge of coastal plain, 40 km S of Machala [0316S/7843 (USBGN)] (MHA; Mapa, 1950, where shown too far W; Mapa, 1974); Gómez, Sept. 1939 (FMNH); Colwell Coll., date? (de Schauensee, 1951:2); collector?, date? (Ridgely & Robbins, 1988:174).

PIEDRAHITA (Mapa, 1957); see Nobol.

PIFO; Pichincha 0014S/7820 (USBGN)
8,475 ft [2,575 m] (Chapman, 1926a:715); town 15 km E of Quito [0013S/7830 (USBGN)], on Papallacta [0022S/7808 (USBGN)] road (Hoja CT ÑIII-B3); Goodfellow and Hamilton, Oct. 1898 (Goodfellow, 1901:309, 473); Rivet, ca. 1898-1899 (Simon, 1907:17); Moore, in area briefly, Sept or Oct. 1929 (Moore, 1934d:98, 100); Ortiz-Crespo, in area, 28 Dec. 1968 (Ortiz-Crespo, 1974:352); Zusi, 17 Nov. 1976 (USNM); Carrión, 10 km SE [=? Cochaucu, ca. 0016S/7818], 27 Sept. 1989, Kiff, 23 km E [by road?], 1 Nov., 24.8 km E [by road?], 6 Nov. 1991 (WFVZ); Chapman, 1926a:296, as "Pilo."

PILALÓ; Cotopaxi 0059S/7901 (USBGN)
2,486 m, on western slope on road from Latacunga [0056S/7837 (USBGN)] to Quevedo [0102S/7929 (USBGN)] (Mapa, 1957); Olallas, 8 May 1931 (Stresemann, 1937:14); Gómez, May 1939 (FMNH); Hellmayr & Conover, 1942, Field Mus. Nat. Hist. Publ., Zool. Ser., **13**, pt. 1, no. 1, p. 27, as "Monte Pilalo, Rio Pilato [Río San Pablo, 0059S/7927 (USBGN)], León, Cotopaxi."

PILCHE Not located
Alt.?; "Occidente," on Río Gauchi [not located], Cadwalader, Aug. 1936 (ANSP); presence of *Pteroglossus torquatus erythropygius,* an endemic, is indicative of the tropical zone from Guayas to Esmeraldas.

PÍLLARO; Tungurahua 0110S/7832 (USBGN)
2,803 m, large town in central highlands, 11 km NE of Ambato

[0015S/7837 (USBGN)] (Mapa, 1957); Loch, ca. 1935-1937 (FMNH).

PILO (Chapman, 1926a:296); see Pifo.

PILÓN; Pichincha Not located
Alt.?; possibly near Quebrada de Pilón [003N/7819 (USBGN)], ca. 2,680-2,800 m, 35 km NNE of Quito [0013S/7830 (USBGN)] (Hoja CT ÑII-F3); Clavery Coll., date? (Berlioz, 1927:357); specimens from Pilón, e. g., *Piculus rivolii*, indicative of a high altitude; Hellmayr, 1936, Field Mus. Nat. Hist. Publ., Zool. Ser., **13**, pt. 9, p. 169, as "Pinon."

PIMA ISLAND (USNM); see Puná, Isla.

PIMAMPIRO; Imbabura 0026N/7758 (USBGN)
ca. 2,000 m, on upper Río Chota [0029N/7758 (USBGN)], 20 km NE of Ibarra [0021N/7807 (USBGN) (MHA; Mapa, 1974); Olallas, 25 Sept. 1931 (FMNH; Atyeo & Pérez, 1990, Fieldiana: Zool., n. s., no. 62, p. 17).

PIMOCHA, RÍO; Los Ríos Not located
Tributary of Río Babahoyo [0210S/7952 (USBGN)], Olallas, Sept. 1931 (FMNH); doubtless near Pimocha [0152S/7935 (USBGN)], 10 km SW of Babahoyo [0149S/7931 (USBGN)].

PINAMPUNGU Not located
Alt.?; Stolzmann and Siemiradski, ca. Jan.-Mar. 1883 (Berlepsch & Taczanowski, 1884:306, also p. 305 as "Pinyampunga," which is probably less nearly correct); presence of *Amazilia tzacatl jucunda* and *Ocreatus underwoodi melanantherus* indicative of a western subtropical, or possibly a tropical, locality; probably near Cayandeled [ca. 0207S/7859 (Chapman, 1926a:map)], Chimborazo, which collectors used as a base for half a year.

PIÑÁN; Imbabura 0032N/7826 (USBGN)
ca. 2,500 m, on western slope of northwestern Imbabura, ca. 40 km NW of Ibarra [0021N/7807 (USBGN)] (MHA; Mapa, 1950); Wiggins, on páramo between Piñán and Atuntaqui [0020N/7813 (USBGN)], at ca. 11,200 ft [3,400 m], June 1944 (Wiggins, 1945:167).

PINANTURA (Mapa, 1957); see Hacienda Pinantura.

PIÑAS; El Oro 0342S/7942 (USBGN)
905 m (MHA); 1,014 m, central southern El Oro, 10 km W of Zaruma [0341S/7937 (USBGN)] at head of Río Piñas [0349S/7946 (USBGN)], a tributary of Río Pindo [0350S/7945 (USBGN)] (Mapa, 1957); Gómez, July 1939 (FMNH); humid, upper tropical forest, Ridgely, et al., in general area ca. 9 km by road W of Piñas at 900 m, Aug. 1980, 11 June-6 July 1985, Aug. 1988, Jan., Apr., Aug. 1989, Greenfield, Jan. 1988, Rowlett, 18 Jan. 1988 (Ridgely & Robbins, 1988:173; Robbins & Ridgely, 1990:59, 64, 67); Ridgely, et al., on road between Piñas and La Avanzada [0333S/7959 (USBGN)], 400 m, 24 June 1985, and at 900 m, 6 Aug. 1988 (Robbins and Ridgely, 1990:62); Kiff, et al., 10 km NW, 28 Feb., 1 Mar 1989 (WFVZ; LACMNH); Krabbe, 9 km W at ca. 900 m, 14-15 Apr. 1991 (Krabbe, 1992b:170, 172).

PINDAL; Loja 0409S/8010 (USBGN)
ca. 500 m, southwestern Loja in valley of upper Río Alamor [0430S/8002 (USBGN)] 8 km WSW of Celica [0407S/7959 (USBGN)] (Mapa, 1950); Kiff, et al., 3 km S, 16, 22 Mar., Gardner, and Corado, 1 km S, 22 Mar., Corado 3 km SSE, 22 Mar., Corado, 4 km S, 16 Mar., Kiff, 5 km E 18 Mar. 1991 (WFVZ).

PINDO Not located
Alt.?; Buckley, date? (Sclater, 1888, Cat. Birds Brit. Mus., **14**:379); doubtless is the Río Pindo [0350S/7945 (USBGN)], Pastaza, or a village bearing that name on the river; see, also, Pindo, Río; Pastaza.

PINDO, RÍO; El Oro 0350S/7945 (USBGN)
Small, left-bank tributary of upper Río Puyango [Río Tumbez, 0330S/8027 (USBGN)], northwestern Loja (Mapa, 1957); Cherrie, at camp 6 mi [10 km] E of Portovelo [0343S/7939 (USBGN)], at 1,850 ft [550 m], in narrow valley, hillsides barren and steep, only vegetation along the stream coming down from Cordillera de Chilla [0332S/7937 (USBGN)], 4-7 Sept. 1920 (Chapman, 1926a:20, 718; CM).

PINDO, RÍO; Pastaza 0132S/7757 (USBGN)
Small tributary of Río Pastaza [0455S/7624 (USBGN)] near Puyo [0128S/7759 (USBGN)], Buckley, date? (Brown, 1941, Ann. Entom. Soc. Amer., **34**:841); does not appear on our maps; also see Pindo.

PINIPI (Sclater, 1859c:549); see Penipe.

PINON (Hellmayr, 1936:169); see Pilón.

PINTA, ISLA; Galápagos 0035N/9044 (USBGN)
Also = Abingdon Island.

PINTAG (Chapman, 1926a:240); see Intag.

PINYAMPUNGA (Berlepsch & Taczanowski, 1884:305); see Pinampungu.

PINZÓN, ISLA; Galápagos 0036S/9040 (USBGN)
Also = Duncan Island.

PIRCA; Pichincha ? Not located
Alt.?; Söderström Coll., date? (Allen, 1889:75); source of *Pharomachrus antisianus*, a subtropical form from both sides of the Andes; this is probably either Hacienda Pirca [0009N/7825 (USBGN)] or, more likely, the Pirca [0002S/7852 (USBGN)] near Mindo [0002S/7848 (USBGN)], on the western slope.

PIRINCAY; Azuay ca. 0247S/7850 (Miller & Gill, 1990:50)
ca. 2,250 m, archaeological site on eastern edge of Cuenca [0253S/7859(USBGN)] basin on Río Paute [0246S/7816 (USBGN)], just S of town of Paute [0247S/7850 (USBGN)], zooarchaeological studies, ca. 1984-1987 (Miller & Gill, 1990).

PISAGUA; Los Ríos 0150S/7924 (USBGN)
Alt.?; southeastern Los Ríos, E of Babahoyo [0149S/7931 (USBGN)]; not shown on our maps; Buckley, date? (Brown, 1941, Ann. Entom. Soc. Amer., **34**:841); Söderström Coll., date? (Lönnberg & Rendahl, 1922:61).

PISCOPATA; Pichincha Not located
Alt.?; near Nanegal [0007N/7846 (USBGN)] on western slope, Rivet, between ca. 1899-1906 (Menegaux, 1911:39, as "Piscopata, Nanegal").

PITA, RÍO; Pichincha 0018S/7828 (USBGN)
Originates on northern slope of Cotopaxi [0040S/7826 (USBGN)] and flows N to join Río San Pedro [0006S/7823 (USBGN)] E of Quito [0013S/7830 (USBGN)] (Mapa, 1950; Mapa, 1957); Söderström Coll., "above Chillo" [? Chillo Valley, 0020S/7827 (Brown, 1941, Ann. Entom. Soc. Amer., **34**:821)], at 9,000 ft [2,750 m], date? (Lönnberg & Rendahl, 1922:28).

PITALOMA; Morona-Santiago Not located
3,500-4,000 ft [1,050-1,200 m], near Macas [0219S/7807 (USBGN)], collector?, date? (Chapman, 1926a:352).

PITUIMI Not located
Alt.?; tropical zone of eastern Ecuador, Willis, date? (de Schauensee, 1966, *Species Birds South Amer.*, p. 293).

PLACER (Berlepsch & Taczanowski, 1884:287); see El Placer.

PLANCHAS; Morona-Santiago Not located
2,800-2,900 m, abandoned town on upper Río Palora [0151S/7749 (USBGN)], a few kilometers below El Placer [not located], in "Sangay National Park," Ridgely and O'Neill, 11-15 Oct. 1976 (Ridgely, 1980:245, 247).

PLANTANALE; Los Ríos Not located
Alt.?; 123 km NE of Vinces [0132S/7945 (USBGN)], collector? [McLean?], 20 May 1975 (USNM).

PLATANAL (USNM); see Vinces.

PLAYAS; Guayas (1) 0238S/8023 (USBGN)
Sea level, on Golfo de Guayaquil [0300S/8030 (USBGN)], 80 km SW of Guayaquil [0210S/7950 (USBGN)] (MHA; Mapa, 1974); Lévêque, 10 Apr., 7 Aug., 3-4 Dec. 1960, 29 Jan. 1961 (Lévêque, 1964:61); Fuentes, 8 Sept. 1965 (Fuentes, 1966?:10); McNeil, Dec. 1975 (McNeil, 1985); Buckley and Tilger, July 1982 (Buckley & Tilger, 1983:214); Ross, et al., 17 Sept., and between Playas and Posorja [0244S/8015 (USBGN)], 18 Sept. 1986 (Evans, 1988:84); Greenfield, a few km SE, 1979 (Ridgely, 1980:243).

PLAYAS; Guayas (2) (Salvadori & Festa, 1899a:2); see Montalvo; Los Ríos.

PLAYAS; Loja Not located
1,000 m, close to Hacienda Yamana [0401S/7940 (USBGN)] in valley of Río Casanga [0408S/7949 (USBGN)], Norton, 5 km SW of Playas, 10 July 1965 (Norton, pers. comm.); not shown on our maps, but presumably close to mouth of Rio Playas [0402S/7945 (USBGN)]; Kiff, 3 km SW, 3 Mar., Corado, 3 km W, 18 Mar., Kiff, 10 km SE, 4 Mar., Corado, 21 km SW, 3 Mar., Kiff, et al., 26 km SW, 3-4 Mar. 1989 (WFVZ).

PLAYAS; Los Ríos (Chapman, 1926a:732); see Montalvo; Los Ríos.

PLAZA, ISLA; Galápagos 0035S/9009 (USBGN)

POCARA (MHA); see Pucará; Bolívar.

POCUNO, RÍO (de Schauensee, 1953:33); see Pucuno, Río.

PODOCARPUS, PARQUE NACIONAL (Krabbe, 1992b:170); see Cajanuma, Nudo de.

POGIO Not located
Alt.?; Baron, between Pogio and Santa Rosa [0327S/7958 (USBGN)], on road from Guayaquil [0210S/7950 (USBGN)] to Loja [0400S/7913 (USBGN)], July 1893 (Hartert & Hartert, 1894:45, 46, 60); specimens cited from Pogio and vicinity range from tropical to lower temperate zone forms, suggesting the locality is on a steep slope.

POMASQUÍ; Pichincha 0003S/7827 (USBGN)
8,200 ft [2,500 m] (Chapman, 1926a:715); in Central Valley, 20 km N of Quito [0013S/7830 (USBGN)] (MHA); predominantly arid temperate zone fauna, surrounding slopes bare to thinly grass covered, irrigated area along Río Pomasquí [Río Pusuquí, 0002S/7827 (USBGN)] chiefly pastures, Chapman, et al., en route to Mojanda [0008N/7817 (USBGN)] 25 Aug. 1922 (Chapman, 1926a:21, 715); Söderström Coll., date? (Lönnberg & Rendahl, 1922:17); Ortiz-Crespo, nearby, 13 Feb. 1970 (Ortiz-Crespo, 1974:352).

POMPEYA; Pastaza ? Not located
Alt.?; on Río Napo [0302S/7240 (USBGN)], Pastaza [Napo?], Peña, 14-22 May 1965 (Couri, 1984, Rev. Brasil. Ent., **28**:482).

PONDOA; Tungurahua Not located
Alt.?; on eastern slope, near Baños [0124S/7825 (USBGN)], Clarke-Macintyre Coll., 12 Jan. 1938 (MCZ, as "Pondoa, near Baños"); possibly this is Hacienda Pondoa [0111S/7838 (USBGN)], although it is not particularly near Baños.

PONGO; Azuay Not located
2,900 m, forest SW of Girón [0310S/7908 (USBGN)], Ridgely and Wilcove, 19 July 1978 (Ridgely, 1980:245).

PONGO; Pichincha Not located
Alt.?; near Santo Domingo de Los Colorados [0015S/7909 (USBGN)], Rivet, between ca. 1899-1906 (Menegaux, 1911:83, as "Pongo, near Santo Domingo"); Clarke-Macintyre Coll., 14 Feb. 1937 (MCZ); *Buthraupis eximia* is from here and indicative of subtropical/temperate zones; probably this is the Pongo [0029S/7841 (USBGN)] in the mountains, a considerable distance from Santo Domingo de Los Colorados, but on the road to that town; also see Pugzo.

PONGO, RÍO; Pichincha ? Not located
In "Occidente," Clarke-Macintyre Coll., 10 Oct. 1937 (MCZ); probably in vincinity of Pongo [not located], which see.

PORTETE; Azuay 0306S/7906 (USBGN)
2,750-2,800 m (de Schauensee, 1951:2, as "Portete de Tarquí"); pass on road between Cuenca [0253S/7859 (USBGN)] and Girón [0310S/7908 (USBGN)], near the village of Tarqui [0301S/7902 (USBGN)]; not shown on available maps; Olalla, 3-11 Feb. 1932 (Berlioz, 1932b:620, as "Portete de Tarqui", p. 621, as "El Portete de Tarqui"; CM); Colwell Coll., date? (de Schauensee, 1951:2, as "Portete de Tarquí," p. 9, as "El Portete de Tarquí").

PORTETE DE TARQUÍ (de Schauensee, 1951:2); see Portete.

PORTETE IMBANA; Loja Not located
Alt.?; a pass, presumably in eastern Andes in vicinity of Cerro Imbana [0338S/7904 (USBGN)]; Norton, et al. (1972:893) give as its coordinates those of the summit of the mountain, which seems to be on the Loja/Zamora-Chinchipe border; Pérez, date? (MCZ, as "Portete Imbana, Cord. Or. de Loja").

PORTOVELO; El Oro 0343S/7939 (USBGN)
640 m, ca. 4 km S of Zaruma [0341S/7939 (USBGN)], on Río Amarillo [0345S/7940 (USBGN)] (Mapa, 1957); in upper Río Tumbes [0330S/8027 (USBGN)] drainage, humid tropics [?; see description of nearby Zaruma] but largely deforested and appears arid, Cherrie, 8-12, 14 July, 6-8 Aug., 31 Aug.-Sept. 1920, Cherrie and Gill, 30 July-9 Aug. 1921 (Chapman, 1926a:20-21, 716; USNM; Kudon, 1982, Journ. Georgia Entom. Soc., 17:535).

POSO DE LAMBEDERO [Pozo de Lamedero] (Taczanowski, 1877:319); in Peru; erroneously attributed to Ecuador.

POSORJA; Guayas 0244S/8015 (USBGN)
Sea level, on peninsula jutting southward from mainland toward Isla Puná [0250S/8008 (USBGN)], 70 km SW of Guayaquil [0210S/7950 (USBGN)] (Mapa, 1950); Lévêque, several observations between 1960-1962 (Lévêque, 1964:54); Fuentes, on beaches, 9 Sept. 1965 (Fuente, 1966?:10); Mills, 7 May 1966 (Mills, 1967:536); Ross, et al., here and between here and Playas [0238S/8023 (USBGN)], 18 Sept. 1986 (Evans, 1988:85).

POVENIR (Chubb, 1919:3); see Hacienda Porvenir.

POZO DE LAMBEDERO [Pozo de Lamedero] (Chapman, 1926a:716); in Peru; erroneously attributed to Ecuador.

POZUL (WFVZ); see San Juan de Pózul.

PROGRESO; see Juan Gómez Rendón.

PUCARÁ; Azuay 0314S/7930 (USBGN)
3,147 m, in western Azuay, 52 km E of Machala [0316S/7959 (USBGN)] (MHA); Olallas, Dec. 1929 (FMNH).

PUCARÁ; Bolívar ca. 0138S/7905 (USBGN)
ca. 2,500 m, almost on the Los Ríos border, 10 km W of Guáranda [0136S/7900 (USBGN)] (MHA, as "Pocara," corrected in index); Rivet, ca. 1898-1899 (Simon, 1907:17).

PUCARA; Pichincha Not located
Alt.?; collector?, date? (Hellmayr & Conover, 1942, Field Mus. Nat. Hist. Publ., Zool. Ser., **13**, pt. 1, no. 1, p. 152); *Penelope montagnii atrogularis* has been collected here, which is indicative of the western subtropical-temperate zone; there are many localities bearing the name Pucará, but none can be found at a moderate elevation on the western slope in Pichincha.

PUCAYACO, RÍO (MCZ); see Pucayacu, Río.

PUCAYACU, RÍO; Pastaza 0203S/7658 (USBGN)
Tributary of middle Río Bobonaza [0236S/7638 (USBGN)] with its mouth at Montalvo [0204S/7658 (USBGN)] (MHA); Olallas, where?, Dec. 1930 (FMNH); Olalla, where?, July 1960 (Norton, et al., 1972:891, 893, as "Río Pucuyacu"; MCZ, as "Río Pucayaco"); see, also, Montalvo, Pastaza.

PUCUNO, RÍO; Napo 0048S/7716 (USBGN)
Tributary of Río Suno [0042S/7708 (USBGN)], rising on southern side of Volcán Sumaco [0034S/7738 (USBGN)] and flowing NE to meet the Suno (Mapa, 1950); Clarke-Macintyre Coll., at headwaters, 6, 10 Oct. 1937 (MCZ); Gómez, where? (FMNH); Norton, at 0036S/7734, 1,200 m, as "Sumaco, Upper Río Pucuno," 11-16 Aug. and at 0046S/7728, 500 m, as "Lower Río Pucuno," 19-31 Aug. 1963 (Norton, 1965:2-3); Olalla, where?, 18 June 1968 (MCZ); collector?, where?, date? (de Schauensee, 1953:33, as "Río Pocono").

PUCUYACU, RÍO (Norton, et al., 1972:893); see Pucayacu, Río.

PUEBLO NUEVO; Pichincha Not located
1,500 m, 38 km NW of Quito [0013S/7830 (USBGN)], N of Mindo [0002S/7848 (USBGN)], Marin and Corado, 15 July, 15, 24 Aug. 1990 (WFVZ; Marin, in litt.).

PUEBLOVIEJO; Los Ríos 0134S/7930 (USBGN)
ca. 75 m, northern Los Ríos, 28 km N of Babahoyo [0149S/7931 (USBGN)] (MHA); McLean, at and 3 km N, 19 July 1974 (USNM, as "Beata Elvira (Pueblo Viejo)"); also see El Papayo and Lima Pareja.

PUÉLLARO; Pichincha 0004N/7824 (USBGN)
2,063 m, in the upper Río Guaillabamba [0028N/7925 (USBGN)] valley, 5 km SSE of Perucho [0007N/7825 (USBGN)] and 35 km NNE of Quito [0013S/7830 (USBGN)] (MHA; Mapa, 1957); Fraser, at Puéllaro, Apr., and above Puéllaro at 8,000 ft [2,450 m], Apr.-May ? 1859 (Sclater, 1860c:83); humid temperate zone at latter locality (Chapman, 1926a:716); Ortiz-Crespo, nearby at site of *Steatornis* colony, 7, 9 Oct 1977 (Ortiz-Crespo, 1979:187); Corado, 2 km S at Quebrada Alchipichi [not located], 18 July 1990, Marin, same locality, 6 Jan. 1991 (WFVZ).

PUEMBO; Pichincha 0011S/7821 (USBGN)
ca. 2,440 m, on Río Guambi [0007S/7823 (USBGN)], 15 km NE of Quito [0013S/7830 (USBGN)] (Hoja CT ÑIII-B3); Goodfellow and Hamilton, Dec. 1898 (Oberholser, 1902:320) and Jan. 1899 (Goodfellow, 1901:309); Rivet, ca. 1898-1899 (Simon, 1907:17).

PUENTE (Chapman, 1926a:716); see La Puente.

PUERTO DE ILA (Zimmer, 1951:13); see Puerto Ila.

PUERTO DEL NAPO (Sclater, 1858:59); see Puerto Napo.

PUERTO EL CARMEN DE PUTUMAYO; see Putumayo.

PUERTO FRANCISCO DE ORELLANA (Mapa, 1974); see Coca.

PUERTO ILA; Pichincha 0033S/7922 (USBGN)
ca. 200 m, on coastal plain, on Río Baba [0154S/7942 (USBGN)], 40 km SSW of Santo Domingo de Los Colorados [0015S/7909 (USBGN)] (Mapa, 1957); collector?, date? (Zimmer, 1951, Amer. Mus. Novit., no. 1513, p. 13, as "Puerto de Ila").

PUERTO LIBRE; Napo Not located
Alt.?; on Río San Miguel [0008N/7551 (USBGN)] and, according to Norton, et al. (1972:893) at 0008N/7551, but these coordinates are at the mouth of the Río San Miguel, where it joins the Rio Putumayo [0308S/6758 (USBGN)], and is the location of the town of Putumayo [0007N/7552 (USBGN)] and close to Puerto el Carmen de Putumayo [ca. 0005N/7554 (Mapa, 1974)] (Mapa, 1974, as "Puerto Putumayo"); Olalla, ca. 31 Jan.-10 Feb 1963 (MCZ; Norton, et al., 1972:892); presumably this is the same site where Olalla collected on 1 Jan. 1963 and which is placed on the upper Río Napo [0320S/7240 (USBGN)] by Orces (1974:10, as "Puerto Libre, alto Napo, Prov. Napo");

PUERTO LÓPEZ; Manabí 0134S/8049 (USBGN)
Sea level, on coast of southern Manabí, midway between Manta [0057S/8044 (USBGN)] and Santa Elena [0214S/8051 (USBGN)] (Mapa, 1950, as "López"; Mapa, 1974); Ridgely and Wilcove, 11 July 1978 (Ridgely, 1980:244).

PUERTO MARITIMO (Mills, 1967:536); see Guayaquil.

PUERTO MISAHUALLÍ (Mapa, 1974); see Misahuallí.

PUERTO NAPO; Napo 0103S/7747 (USBGN)
464 m, on uppermost Río Napo [0320S/7640 (USBGN)], 5 km SSW of Tena [0059S/7749 (USBGN)] (Mapa, 1950, as "Napo"; Mapa, 1957); tropical zone but early collectors used name "Napo" in a regional sense and specimens have also come from subtropical and temperate zones (Chapman, 1926a:713, as "Napo"); Villavicencio?, date? (Sclater, 1858:59, as "Puerto del Napo"); Goodfellow and Hamilton, 1899 (Oberholser, 1902:311, as "Napo village";

Goodfellow, 1901:309); Söderström Coll., from nearby and various places on the road to, 3,000-6,000 ft [900-1,825 m], date? (Lönnberg & Rendahl, 1922:13ff; Allen, 1899:71-75, as "Napo").

PUERTO NUEVO; Guayas 0213S/7955 (USBGN)
Sea level, 8 km S of Guayaquil [0210S/7950 (USBGN)], Lévêque, 6 Aug. 1960, 19 Jan. 1961 (Lévêque, 1964:61); not shown on our maps.

PUERTO NUEVO; Los Ríos (USNM); see Vinces.

PUERTO PUTUMAYO (Mapa, 1974); see Putumayo.

PUGSI, CERRO (Bleiweiss & Olalla, 1984); see Pichincha.

PUGZO; Los Ríos Not located
1,151 m, E of Babahoyo [0149S/7931 (USBGN)], Rivet, ca. 1898-1899 (Simon, 1907:17); may be a misspelling of *Pongo*, and may even refer to the Pongo [not located] in Pichincha, another Rivet locality.

PULLANGO (Chapman, 1926a:716); see Puyango.

PULULAGUA; Pichincha 0002N/7829 (Brown, 1941:842)
3,250 m (peak), 2,000-2,700 m (hacienda) (Brown, 1941, Ann. Entom. Soc. Amer., **34**:842); 2,940 m (peak) (Atlas Geog.; Mapa, 1957); mountain range at eastern end of Montañas de Nanegal [0007N/7846 (USBGN)], W of Puéllaro [0004N/7824 (USBGN)] and N of Calacalí [0001N/7831 (USBGN)] (Mapa, 1957); also the name of a nearby hacienda (*fide* Brown, loc. cit); Festa, July 1897, presumably at the hacienda (Salvadori & Festa, 1899a:10; Chapman, 1926a:731); Olallas, Feb. 1934 (FMNH, as "Cerro Pululagua").

PULULAGUA, CERRO (FMNH); see Pululagua.

PULÚN; Esmeraldas 0105N/7840 (USBGN)
160 ft [50 m] (FMNH); 350 ft [100 m] (Hartert, 1902:599); on coastal plain at foot of mountains, near Colombian border, 40 km ESE of Valdez [0115N/7900 (USBGN)] and 10 km ESE of Carondelet [0106N/7842 (USBGN)] (MHA; Mapa, 1950); tropical zone (Chapman, 1926a:705, as "Bulún"); Miketta, Nov.-Dec. 1900, Jan. 1901, and Flemming, Nov.-Dec. 1900, collector?, Nov. 1927 (FMNH, as "Bulún," "Bulúm," and "Bulim"); see, also, Salidero.

PUN (Salvadori & Festa, 1899a:1); see El Pun.

PUNÁ, ISLA; Guayas 0250S/8008 (USBGN)
925 m, very large, low-lying island with low hills in the interior, ca. 1 km offshore in Golfo de Guayaquil [0300S/8030 (USBGN)] (MHA); salt marshes on E, remainder dry with thorn-bush scrub (Brown, 1941, Ann. Entom. Soc. Amer., 34:842); tall mangroves on N (Lévêque, 1964:55); Barclay, prior to 1860 (Sclater, 1860d:286); Reeve, 1868? (Lawrence, 1869:234-238; USNM, also as "Pima Island"); Simons, 1, 10? Nov. 1898 (Chubb, 1922:2, 261); Neeve, date? (USNM); Richardson, 31 Mar.-12 Apr. 1913, Chapman, et al., 15-17 July 1922 (Chapman, 1926a:19-20); Lévêque, several observations between ca. Jan. 1960-Apr. 1962 (Lévêque, 1964:54ff).

PUÑAPI; Tungurahua 0122S/7828 (USBGN)
Alt.?; on eastern slope near Baños [0124S/7825 (USBGN)]; does not appear on our maps; Clarke-Macintyre Coll., 9 Feb. 1938 (MCZ).

PUNÁ VIEJA; Guayas 0258S/8011 (USBGN)
Sea level, town on southeastern side of Isla Puná [0250S/8008 (USBGN)] (MHA; Mapa, 1950, as "Puná Viejo"); Chapman, et al., July 1922 (Chapman, 1926a:20, 716).

PUNÁ VIEJO (Mapa, 1950); see Puná Vieja.

PUNÍN; Chimborazo 0146S/7838 (USBGN)
9,000 ft [2,750 m], arid temperate zone (Chapman, 1926a:716); in Central Valley, 10 km S of Riobamba [0140S/7838 (USBGN)] (Mapa, 1957); Fraser, June-Aug.? 1858 (Sclater, 1859c:549).

PUNO (Chubb, 1919:7); see El Pun.

PUNTAS, CERRO; Pichincha 0011S/7812 (USBGN)
4,452 m, peak in eastern cordillera, 33 km E of Quito [0013S/7830 (USBGN)] (Mapa, 1957); Olallas, Sept. 1930 (FMNH), 8-9 Nov. 1931 (CM).

PUTUMAYO; Napo 0007N/7552 (USBGN)
ca. 200 m, on Colombian border at confluence of Río San Miguel [0008N/7551 (USBGN)] with Rio Putumayo [0308S/6758 (USBGN)] and close to Puerto el Carmen de Putumayo [ca. 0005N/7554 (Mapa, 1974)] (Mapa, 1950; Mapa, 1957; Mapa, 1974, as "Puerto Putumayo"); Monge, 30 [?] Feb., 1934, 1936, 7 Jan., 3 May 1937, 2,

8 Jan. 1938 (LACMNH); Monge's data are notoriously poor; these records may refer to Río Putumayo; see comments under Puerto Libre.

PUYANGO; Loja ca. 0352S/8005 (Mapa, 1974)
ca. 300 m, on Loja/El Oro border, on Río Puyango [Río Túmbez, 0330S/8027 (USBGN)], near where valley broadens, 18 km NNW of Alamor [0402S/8002 (USBGN)] (Mapa, 1974); equatorial arid zone, ceiba and thorny bush, Watkins, 16-17 July 1919, Gill, 11-17 Oct. 1921 (Chapman, 1926a:20, 716, as "Pullango").

PUYO; Pastaza 0128S/7759 (USBGN)
975 m, on Río Puyo [0140S/7755 (USBGN)], a short tributary of Río Pastaza [0455S/7624 (USBGN)], in foothills of Cordillera Oriental [1400S/7100 (USBGN)] (MHA; Mapa, 1974); Loch, ca. 1935-1937 (FMNH); Cadwalader, 8 Aug. 1936 (CM); Curry, Sept. 1960 (Lévêque, 1964:58, as "El Puyo"); Arvey, at Puyo, 22-30 Nov., 2 km S, 24 Nov., 4 km W, 29 Nov. 1971 (LACMNH); Leck, July 1974 (Leck, 1980:312); Fraga, 4.5 km S of Rio Nápo [0320S/7240 (USBGN)], on Tena [0059S/7749 (USBGN)]/Puyo road, 6 Jan. 1990 (Fraga, 1992).

QUALEA (Park & Ayteo, 1974:32); see Gualea.

QUEVEDO; Los Ríos 0102S/7929 (USBGN)
54 m (Mapa, 1957); in Pacific lowlands of northernmost Los Ríos on Río Vinces [0139S/7947 (USBGN)], slightly W of mouth of Río Palenque [0102S/7928 (USBGN)] (MHA); Buchwald, 27 Feb. 1910 (MCZ), Aug. 1911 (FMNH), 27 Feb. (MCZ), and July 1913, Hammond, Aug. 1914 (FMNH); Mena, 17 Oct. 1950 (CM; ANSP); Olalla, 1 May 1953 (USBGN, as "Guivedo").

QUICHINCHE (Mapa, 1957); see San José de Quichinche.

QUICHINDE (WFVZ); see San José de Quichinche.

QUIJOS; Napo ca. 0025S to 0100S/7805 to 7801 (Mapa, 1950)
[Old] name applied to region (province) on Amazon slope between Río Maspa [Río Papallacta, 0027S/7758 (USBGN)] and upper Río Napo [0302S/7240 (USBGN)] (Chapman, 1926a:716); Osculati, ca. 1846-1848 (Sclater, 1855:109, also as "Quixos," pp. 112-113); collector?, 1850's (Gould, 1855:9).

QUIJOS, PUENTE DEL RÍO; Napo Not located
Alt.?; a bridge over Río Quijos [0014S/7743 (USBGN)], E of Baeza [0027S/7753 (USBGN)], on Napo trail, subtropical, Olallas, 24 July 1923 (Chapman, 1926a:21, 716); not indicated on our maps.

QUILAMO; Morona-Santiago Not located
Alt.?; near Macas [0219S/7807 (USBGN)], Gómez, 13 Sept. 1940 (Atyeo & Peterson, 1977, Journ. Med. Entom., **13**:740, as "(?Quilamo), near Macas").

QUILINDAÑA; Napo 0047S/7818 (USBGN)
4,877 m, mountain in the eastern cordillera, 18 km SE of Cotopaxi [0040S/7826 (USBGN)] (MHA); Goodfellow and Hamilton, between Antisana [0030S/7808 (USBGN)] and Quilindaña, in valley of Río Valleviciosa [0050S/7806 (USBGN)], Dec. 1898 (Goodfellow, 1902:226, as "Kilendaña" and "Valle de Viciosa").

QUILLOTOA (Lönnberg & Rendahl, 1922:56); see Quilotoa.

QUILLO TURO (Moore, 1940:253); see Quilloturo.

QUILLOTURO; Chimborazo Not located
ca. 13,000 ft [3,950 m], campsite on eastern side of Chimborazo [0128S/7848 (USBGN)], at treeline, Moore, 24-31 Aug. 1929 (Moore, 1940:253, as "Quillo Turo"); Paynter and Traylor (1977, p. 100) erroneously confused this with far distant Quebrada de Quilloturo [0102S/7856 (USBGN)].

QUILLOTURO, QUEBRADA DE (Paynter & Traylor, 1977, p. 100); see Quilloturo.

QUILOTOA; Cotopaxi 0052S/7855 (USBGN)
3,981 m, mountain in western cordillera, 25 km NE of Latacunga

[0056S/7837 (USBGN)] (Mapa, 1950); Söderström Coll., date? (Lönnberg & Rendahl, 1922:56, as "Quillotoa").

QUINCHE; Pichincha 0007S/7818 (USBGN)
2,664 m (Simon, 1907:17); on eastern side of Central Valley, 25 km ENE of Quito [0013S/7830 (USBGN)] and 8 km SE of Guaillabamba [0004S/7821 (USBGN)] (MHA); Rivet, ca. 1898-1899 (Simon, 1907:17); Carrión, 2.5 km NW, 9 Sept. 1989 (WFVZ, also as "El Quinche").

QUINCHICOTO; Tungurahua 0123S/7839 (USBGN)
Alt.?, in central highlands, S of Ambato [0115S/7837 (USBGN)], near Cevallos [0121S/7837 (USBGN)]; not shown on maps available to us; Loch, ca. 1935-1937, Olalla, Feb. 1937 (FMNH); possibly Conchacoto [not located], which see, is equivalent.

QUINDIVA Not located
Alt.?; Söderström Coll., date? (Lönnberg & Rendahl, 1922:61); presence of *Acestrura bombus* is indicative of the tropical zone.

QUININDÉ (USBGN); see Rosa Zárate.

QUINOA (MHA); see Quinoas.

QUINOAS; Azuay 0248S/7915 (USBGN)
3,631 m, in western cordillera, on Río Matadero [0248S/7859 (USBGN)], 22 km W of Cuenca [0253S/7859 (USBGN)] (MHA, as "Quinoa"); Festa, Oct. 1895 (Salvadori & Festa, 1899a:25, p. 26 as "Tambo di Quinoas").

QUISAYA; Pichincha 0010N/7831 (USBGN)
ca. 1,000 m, northern central Pichincha, on right bank of upper Río Guaillabamba [0028N/7925 (USBGN)], 11 km N of Perucho [0007N/7825 (USBGN)] (Mapa, 1957); collector?, date? (USNM).

QUITO; Pichincha 0013S/7830 (USBGN)
2,818 m (Mapa, 1957); on western side of tableland at eastern base of Pichincha [0010S/7833 (USBGN)], arid temperate zone, extensively cultivated with no forests remaining (Chapman, 1926a:717); mean temperature ca. 13°C, with dry season June-Sept. and wettest months Mar., Apr., and Oct. (Brown, 1941, Ann. Entom. Soc. Amer., **34**:842); distribution point, since ca. 1846, for unlabeled or poorly labeled specimens obtained by local collectors,

mainly from Pacific slope in vicinity of Gualea [0007N/2850 (USBGN)] and Nanegal [0007N/7846 (USBGN)] and from "Napo region" on Amazon slope (Chapman, 1926a:717); after ca. 1920 local collectors labeled material more fully, but not necessarily accurately; many foreign collectors also have used Quito as a base; among the collectors who have worked in or near Quito, and for whom dates are at least broadly known, are the following: Jameson, 1840s and 1850s (Jardine, 1849:41ff; 1850:1ff); Fraser, Jan. 1859 (Sclater, 1860b:73); Orton, ca. 1870 (Orton, 1871:619ff); Söderström, ca. 1885-1920 (Allen, 1889:69ff; Lönnberg & Rendahl, 1922: 17ff); Festa, 3-26 Dec. 1896, 22 May-5 June, 9, 20 July-14 Aug. 1897 (Chapman, 19261:731-732); Goodfellow and Hamilton, Dec. 1898-Jan. 1899 (Goodfellow 1901:309); Holstein, 17, 19 Feb. 1900 (USNM); Rivet (incl. Gonnessiat and Baer), between ca. 1899-1906 (Menegaux, 1911:1ff); Schröter, Apr. 1909 (FMNH); Richardson, 21 May 1913 (AMNH); Rosenberg Coll., 8 Feb. 1915 (MCZ); Chapman, et al., 17-22 Aug. 1922 (Chapman, 1926a:21); Olallas, Nov. 1929 (FMNH); Barros, 20 Dec. 1951 (Barros, 1953:158); Lévêque, Jan. 1960-Apr. 1962 (Lévêque, 1964:61); Norton, 3 mi [5 km] W, 16 June 1963 (MCZ); Jameson, 20 Jan. 1964 (USNM); Leck, on outskirts, 7 July 1974 (Leck, 1980:313); collector?, 3 July 1975 (Ortiz-Crespo, 1979:187); McLean, at Km 61 (Cerro Lumbaquí, 0000/7718 (USBGN)) on Quito/Lago Agrio [ca. 0006N/7653 (Mapa, 1974)] road, 16-19 Feb. 1975 (USNM); Zusi, 20 km NW, 14 Nov. 1976 (USNM); Schmidt-Marloh & Schuchmann, nearby at ca. 3,400 m, Jan.-Feb. 1977 (Schmidt-Marloh & Schuchmann, 1980:61, 69); Ross, et al., various times July-Sept. 1986 (Evans, 1988:77); Jenny, et al., ca. 30 km NW of Quito in foothills of eastern cordillera at 2,400 m, 14-15 Mar. 1979, Sullivan, et al., same locality, 3, 27 Feb. 1980 (Jenny, et al., 1981); Jenny, same locality, fall and winter 1981, Burham and Jenny, 20 Jan., Hilgert and de Vries, Oct.-Dec. 1982 (Jenny, et al., 1983); Kiff and Schmitt, 11 Oct. and 2 km W, 11-12, 14-15 Oct., Carrión, 22 Mar. 1989, Schmitt, 9 km W, 14 Oct. 1987, Gardner, et al., 2 km N, 19 Feb., Corado and Gardner, 2 km NW, 19 Feb., Marin, 30 km N, 4 June and 35 km N, 14 June 1989, Corado and Gardner, 2 km W, 11 Mar. 1991 (WFVZ).

QUIXOS (Sclater, 1855:109); see Quijos.

RÁBIDA, ISLA; Galápagos 0024S/9042 (USBGN)
Also = Jervis Island.

RAMOS URCU Not located
Alt.?; Olallas, Dec. 1929 (FMNH); Olallas and Spillmann, 3-24 Sept. 1932 (Stresemann, 1937:14-15; 1938:117; USNM); presence of eastern tropical and subtropical taxa, e. g., *Lipaugus subalaris, Pogonotriccus orbitalis,* and *Myiophobus phoenicomitra,* seems to preclude Paso Ramos-urcu [ca. 0340S/7925 (MHA)], a pass at 3,110 m in Loja near Sararguro [0336S/7913 (USBGN)] on the road from Loja [0400S/7913 (USBGN)]; it is more likely the "Ramus-Urcu" ["Palm Peak" of Norton, which see] in Napo at ca. 0039S/7736 (Norton, 1965:3) on the southeastern slopes of Volcán Sumaco [0034S/7738 (USBGN)], which is close to Concepción [0048S/7725 (USBGN)], a locality visited frequently by the Olallas; furthermore, it is known that the Olallas were at Concepción on 25 Dec. 1929.

RAMUS-URCU (Norton, 1965:3); see Palm Peak and Ramos Urcu.

RANCHO YANACOCHA (USNM); see Nono.

RAYA-CHIGTA; Napo Not located
Alt.?; near Loreto [0038S/7719 (USBGN)], deep in Amazonia, Olallas, Sept. 1930 (FMNH, as "Oriente, Loreto, Raya-Chigta").

RAYA YACO; Napo Not located
Alt.?; near Loreto [0038S/7719 (USBGN)], in central Napo, Olallas, June-July 1930 (FMNH, as "Prov. Oriente, Loreto, Raya Yaco"); probably should be spelled "Raya Yacu."

RAYA YACU; see Raya Yaco.

RIOBAMBA; Chimborazo 0140S/7838 (USBGN)
2,754 m, major city in central northern Chimborazo in Central Valley (Mapa, 1957); arid temperate, surrounding area heavily cultivated or barren, mean temperature ca. 13° C and precipitation ca. 550 mm, occurring mainly in Mar., Oct., and Nov. (Brown, 1941, Ann. Entom. Soc. Amer., 34:844); Fraser, June, Aug. 1858 (Sclater, 1859c:549) and on páramo between Riobamba and Mocha [0125S/7840 (USBGN)], ca. Jan. 1859 (Sclater, 1860b:73, 82); Stolzmann, Apr.-May 1884 (Taczanowski & Berlepsch, 1885:67ff); Baron, May-June 1893 (Hartert & Hartert, 1894:58); Festa, 28 Nov. 1896 (Salvadori & Festa, 1900:9; Chapman, 1926a:731); Simons, 30

Dec. 1898, 27 Mar. 1899 (Chubb, 1919:2-3); Rivet, between ca. 1899-1906 (Menegaux, 1911:102); Rhoads, 12 April 1911 (WFVZ); Feyer, 24 June 1923 (FMNH; CM); Olalla, on outskirts, 21 Aug., Moore, on outskirts, 22 Aug., Mena, nearby in valley of Rio Chambo [0144S/7835 (USBGN)], 8 Sept., on outskirts, 9-10 Sept., Moore, on outskirts, 7, 10 Sept., Olalla, in valley of Río Chambo, 7, 9 Sept., Olalla, on Penipe [0134S/7832 (USBGN)] road near Riobamba, 7 Sept. 1929 (CM); Berlioz, Aug. 1936 (Berlioz, 1937a:398).

RÍO NEGRO; Tungurahua 0124S/7813 (USBGN)
1,200 m (Norton, 1965:2); town on upper Río Pastaza [0455S/7624 (USBGN)], between Baños [0124S/7825 (USBGN)] and Mera [0128S/7808 (USBGN)] (Mapa, 1974); Baron, July-Aug. 1893 (Hartert & Hartert, 1894:43, 47, 57, as "Rio Negro Hacienda"); Norton, 12-14 Sept. 1964 (Norton, 1965:2); De Lafebre, Aug., 2-4, 6-7, 14-15, 17 Sept. 1966 (CM); Zusi, 28 Oct. 1978 (USNM); Sibley, nearby, 1 Nov. 1989 (WFVZ).

RÍO NEGRO HACIENDA (Hartert & Hartert, 1894:43); see Río Negro.

RÍO NUEVO (USNM); see Vinces.

RÍO PALENQUE (van den Berg & Bosman, 1984:153); see Río Palenque, Centro Científico.

RÍO PALENQUE, CENTRO CIENTÍFICO; Pichincha ca. ? 0030S/7930 [ca. ? 0045S/7915 (Leck, 1979:343)]
200 m, research station on 167 ha, of which 87 ha are primary forest, now isolated within agricultural zone at base of western foothills, 65 km S of Equator and 47 km S of Santo Domingo de los Colorados [0015S/7909 (USBGN)], on Río Palenque [0102S/7928 (USBGN)] (see Palenque, Río, for discussion of confused nomenclature of river), annual rainfall 380+ cm, mainly between Dec.-May, temperature averages 17-24° C in dry season and 23-32° C in wet season, observers include Owre, 1973-?, Ortiz-Crespo, dates?, Webster, 9 June-3 Sept. 1975, Leck, 21 Feb.-6 Apr. 1978 (Leck, 1979:343-344); Zusi, 8 Nov. 1976 (USNM); Vigle, 7-18 Jan. 1978 (Vigle, 1982:172); Steiner, twice sometime between 20 July-2 Aug. 1978 (Steiner, 1980:490); Schupp, 2 Feb. 1979 (USNM); van den Berg and Bosman, 10 Mar. 1981 (van den Berg & Bosman, 1984:153, as "Río Palenque"); Ridgely, et al., 3 Feb. 1980 (Ridgely,

1980:248); the coordinates given by Leck appear erroneous as they do not fit his description of the locality; not shown on our maps

RÍO TIGRE; Pastaza 0207S/7604 (USBGN)
ca. 300 m, town on Ecuador/Peru border where Río Conambo [0207S/7603 (USBGN)] and Río Pindo [0207S/7603 (USBGN)] join to form the Río Tigre [0426S/7405 (USBGN)], a major tributary of the Amazon (Mapa, 1974); Olallas, 13 Feb. 1933, Loch, ca. 1935-1937 (CM; FMNH).

ROCAFUERTE (MHA); see Nuevo Rocafuerte.

ROJAS; see Rojas, Valle de.

ROJAS, VALLE DE Not located
Alt.?; Olallas, 7 Nov. 1928, Feb., Mar., 2 Oct. 1929, Clarke-Macintyre Coll., 10 Aug. 1937 (FMNH; MCZ, as "Valle de Rojas, Occidente"; CM, as "Valle de Rojas, near Tumbaco"); specimens from here are characteristic of the arid temperate zone; it is probable that this locality is Hacienda Rojas [0013S/7826 (USBGN)], Pichincha, in the Central Valley on eastern outskirts of Quito [0013S/7830 (USBGN)], contiguous with Tumbaco [0013S/7824 (USBGN)], along the Río San Pedro [0006S/7823 (USBGN)] (Hoja CT ÑIII-B3, as "Rojas").

ROLOYA, RÍO Not located
Alt.?; collector?, date? (de Schauensee, 1953:43); a specimen of *Rubicola peruviana sanguinolenta* from here is indicative of the northwestern slopes; probably a misspelling of Río Saloya [0001N/7857 (USBGN)].

ROMERILLOS (Chapman, 1926a:718); see Hacienda Romerillos.

ROMOS URRO Not located
Alt.?; collector?, date? (Hellmayr & Conover, 1942, Field Mus. Nat. Hist. Publ., Zool. Ser., **13**, pt. 1, no. 1, p. 18); presence of *Tinamous major ruficeps* is indicative of eastern lowlands; doubtless a misspelling of Ramos Urcu [not located], which see.

ROMPIDO, RÍO (Chapman, 1926a:718); see Jubones, Río.

ROSA ZÁRATE; Esmeraldas 0020N/7928 (USBGN)
ca. 100 m, on Río Quinindé [0020N/7928 (USBGN)] where it enters

the Río Blanco [0028N/7925 (USBGN)], a major affluent of Río Esmeraldas [0058N/7938 (USBGN)], in southern interior Esmeraldas (Mapa, 1950); *olim* Quinindé (USBGN); Olalla, Sept. 1936 (FMNH); McLean, on highway 7 km N, 3-4, 23 Sept. 1974, on highway 10 km N, 4 Sept. 1974, 18 Mar. 197? (USNM, as "Quinindé").

ROTUNO, RÍO (Brown, 1941:844); see Rutuno, Río.

RUCO PICHINCHA (Menegaux, 1911:37); see Pichincha; Pichincha.

RUCU PICHINCHA; see Pichincha; Pichincha.

RUMIÑAGUI (MCZ); see Rumiñahui, Cerro.

RUMIÑAHUI, CERRO; Pichincha 0034S/7830 (USBGN)
4,719 m, twin peaks, ca. 15 km NW of Cotopaxi [0040S/7826 (USBGN)] (MHA); Olalla, at 3,500 m, 14-17 Feb. 1930 (MCZ, also as "Rumiñagui").

RUMIPAMBA; Pichincha ? Not located
Alt.?; Holstein, 9 Feb. 1900 (USNM); apparently near Nono [0004S/7835 (USNBGN)] as collector was also there on this date.

RUNACOCHA Not located
Alt.?; Stolzmann, 2 Jan. 1884 (Taczanowski & Berlepsch, 1885:112); undoubtedly in vicinity of Río Pastaza [0455S/7624 (USBGN)] and Baños [0124S/7824 (USBGN)] as Stolzmann is known to have been in that region from ca. Nov.1883 to Feb. 1884; probably misspelled.

RUNTUN; Tungurahua 0126S/7824 (USBGN)
2,000-2,800 m, on northeastern shoulder of Volcán Tungurahua [0127S/7826 (USBGN)], S of Baños [0124S/7824 (USBGN)], partly forested and partly cultivated to 2,700 m, with lower part of trail from Baños and lower slopes subtropical and upper slopes temperate (Brown, 1941, Ann. Entom. Soc. Amer., **34**:844); does not appear on our maps; Stolzmann, at Runtun forest, 6,500-7,500 ft [2,000-2,300 m], ca. 1884 (Taczanowski & Berlepsch, 1885:67); Clarke-Macintyre Coll., at "Runtun, Baños," 5 July, 8, 15 Aug., 15, 28 Sept., 10 Dec, 1937, 10 Jan. 1938, and at "Runtun Hills, near Baños," 30 Nov., 4, 14, 27 Dec. 1937, 2 Jan. and Feb.? 1938 (MCZ); Clarke-Macintyre collected in vicinity of a small pond at 2,500 m (Brown, 1941:844).

RUTUNO, RÍO; Pastaza 0155S/7714 (USBGN)
One of the right-bank headwaters of the upper Río Bobonaza [0236S/7638 (USBGN)], northeast of Sarayacu [0144S/7729 (USBGN)] (Mapa, 1950; Mapa, 1957, as "Jatún Rutuno Yacu"; Mapa, 1974, as "Río Jatún Rutuno Yacu"); Colwell?, near mouth at 400 m, date? (de Schauensee, 1951:3); Brown, 1941, Ann. Entom. Soc. Amer., **34**:844, as "Rio Rotuno."

SABANILLA; Loja (Mapa, 1974); see Sabanillas.

SABANILLA; Zamora-Chinchipe 0402S/7901 (USBGN)
5,700 ft [1,750 m] (Chapman, 1926a:718); near mouth of Río Sabanilla [0402S/7900 (USBGN)], a tributary of the Río Zamora [0259S/7813 (USBGN)], ca. midway on road between Loja [0400S/7913 (USBGN)] and Zamora [0404S/7858 (USBGN)] (Mapa, 1957); subtropical forest [still?], high rainfall, Cherrie, from 4,000-7,000 ft [1,200-2,150 m], 6-20 Nov. 1920 (Chapman, 1926a:20, 718; USNM); Ridgely and Wilcove, above Sabanilla at 2,050 m, 22 July and below Sabanilla at 1,400-1,700 m, 22-25 July 1978 and Ridgely, et al., 26-29 Feb. 1980 (Ridgely, 1980:244, 245, 246, 247); do not confuse with Sabanillas, Loja.

SABANILLA, NUDO DE; Loja/Zamora-Chinchipe 0430S/7910 (USBGN)
ca. 3,000 m, mountain range on border of southeastern Loja and northwestern Zamora-Chinchipe (Mapa, 1950; Mapa, 1974); Clarke-Macintyre Coll., Apr. 1938 (FMNH).

SABANILLAS; Loja 0410S/8008 (USBGN)
ca. 500 m, southwestern Loja, in valley of Río Alamor [0430S/8025 (USBGN)], 18 km WSW of Cruzpamba [*olim* Dominguillo, 0410S/8001 (USBGN)] (Mapa, 1957, as "Sabanilla"; Mapa, 1974, as "Sabanilla"); although the spelling given by Chubb (1919:3, as "Sapatillo") is distinctly different from "Sabanillas" (but Chubb's, or Simons', spelling of names was often poor, e. g., "Dormugillo" for "Dominguillo" and "Cangunana" for "Cangonamá"), there is little

doubt that "Sabanillas" was meant. This is a logical place for Simons to have stopped on 12 July 1899 on a route leading from Curtincapa [0344S/7933 (USBGN)] and Guallavo [Guayabo, 0335S/7954 (USBGN)] over the mountains, in one-day stages, to Cangonamá [0358S/7942 (USBGN)], to the Río Casanga [0408S/7949 (USBGN)], to Cruzpamba, to "Sapatillo," and finally to Sulana [0435S/8041 (USBGN)], Peru; Kiff, et al., 4 km SW, 18-20, 23-24, 27 Mar. 1991 (WFVZ, as "Sabanilla"); not to be confused with Sabanilla, Zamora-Chinchipe.

SABIANGO; Loja 0424S/7952 (USBGN)
ca. 1,500 m, ca. 15 km E of Macará [0423S/7957 (USBGN)], southern Loja (Mapa, 1974); Paynter and Norton, 10-13 Oct. 1965, ca. 5 km W, 650 m, at river [name?] short distance before it joins Río Macará [0417S/8009 (USBGN)], hot, dry, acacia scrub except for a few lush fields where irrigated (Paynter, pers. obser.).

SAINTE MARIE Not located
Alt.?; in "high Amazon," collector? [Castelnau and Deville?], date? [mid-1840s ?] (Deville & Des Murs, 1849, Rev. Zool. Paris, 1849:171); presumably this is Santa María and probably the Santa María [ca. 0305S/7155, Vaurie, 1972, Amer. Mus. Novit., no. 2491, p. 30] near Pebas [0320S/7149 (USBGN)], Loreto, Peru.

ST. INES (Gould, 1871a:803); see Santa Inés.

ST. LUCAS (Gould, 1872:195); see San Lucas.

SALADO, ESTERO; Guayas 0227S/8002 (USBGN)
Estuary stretching from Guayaquil [0210S/7950 (USBGN)] south to Canal de Morro [0245S/8013 (USBGN)] and Isla Puná [0250S/8008 (USBGN)] (MHA); Lévêque, various times from Jan. 1960-Apr. 1962 (Lévêque, 1964:59).

SALADO, RÍO; Napo 0014S/7743 (USBGN)
An affluent of uppermost Río Quijos [0014S/7743 (USBGN)], rising on southern side of Saraurcu [0006S/7755 (USBGN)] and flowing E to meet the Quijos 38 km NE of Baeza [0027S/7753 (USBGN)] (Mapa, 1950); Olallas, at mouth, 7 Mar. 1937 (Moore Coll., as "Bucu [Boca] Slada [Salado], Oriente"); there are a number of Río Salados, but the identification of this one is certain because the Olallas were at nearby Chalpi [0022S/7804 (USBGN)] the day before and the day after; Olalla, where?, 16 Jan. 1956 (MCZ, as "Río

Salado, Oriente"); presumably the latter record has been correctly allocated, but there is a slim possibility that it could be the Río Salado [0059S/7538 (USBGN)] that enters the Río Napo [0320S/7240 (USBGN)] near Nuevo Rocafuerte [0056S/7524 (USBGN)].

SALAMALA, CERRO — Not located
Alt.?; collector?, date? (de Schauensee, 1953:36); presence of *Ampelion rubrocristatus* is indicative of a humid temperate region; probably near Hacienda Salamala [0050S/7844 (USBGN)] and Quebrada Salamala [0049S/7844 (USBGN)] in Prov. Cotopaxi.

SALANGO; Manabí — 0135S/8051 (USBGN)
Sea level, on coast of southernmost Manabí (MHA); archaeological site with remains of birds, collector?, ca. 1979-1988 (Stahl & Norton, 1987).

SALAYA (FMNH); see Saloya.

SALCEDO (WFVZ); see San Miguel de Salcedo.

SALIDERA (Hartert, 1902:605); see Salidero.

SALIDERO; Esmeraldas — ca. 0105N/7840
160-350 ft [50-110 m], near Bulún [Pulún, 0105N/7840 (USBGN)], on Río Bogotá [0103N/7850 (USBGN)], on coastal plain near Colombian border, Miketta and Flemming, date? [1900?] (Hartert, 1901:370, as "Salidero, Bulún (type), Río Bogotá"; 1902:605, as "Salidera"); Flemming, Feb. 1901 (AMNH); see, also, Pulún.

SALINAS; Imbabura — 0030N/7808 (USBGN)
ca. 2,500 m, northernmost central Imbabura in headwaters of Río Mira [0136N/7901 (USBGN)], 15 km NNW of Ibarra [0021N/7807 (USBGN)] (MHA); Schmitt, 6 km by road N of Salinas at 1,425 m, 17, 19-20 Oct. 1983 (Schmitt & Schmitt, 1990:139).

SALINAS; Guayas — 0213S/8050 (USBGN)
Sea level, on coast, 14 km W of Santa Elena [0214S/8051 (USBGN)] (Mapa, 1974); Marchant, 15 Oct. 1955 (Marchant, 1956:533); Lévêque, 30-31 Jan., 20 Feb., 19 Sept. 1960, 20 Jan. 1961 (Lévêque, 1964:57); Fuentes, 9 Sept. 1965 (Fuentes, 1966?:10); Marchant, at Km 75 between Guayaquil [0210S/7950 (USBGN)] and Salinas, 21 Aug. 1956 (Marchant, 1958:373); Ross, et al., 12-15, 19-21 Sept. 1986 (Evans, 1988:82); also see Ecuasal, Salinas de.

SALOYA; Pichincha Not located
Alt.?; Olallas, May 1930, Apr. 1937, Gómez, July 1939, Aug. 1940 (FMNH, as "Saloya, Occidente" and "Salaya"); collector?, 8 May 1939 (USNM, as "Salaya"); USBGN lists a Salaya at 0001S/7835 and another at 0018S/7840, both of which are in Pichincha and on western slope, presumably on Río Saloya [0001N/7857 (USBGN)]; also see Chaloyo.

SALOYA, RÍO; Pichincha 0001N/7857 (USBGN)
Long left-bank tributary of lower Río Mindo [0003N/7909 (USBGN)] which rises high on the western cordillera on slopes of Atacazo [0022S/7837 (USBGN)] and flows NW to the Mindo (Mapa, 1957); collector?, at Salvador [0017S/7841 (USBGN)], on northwestern side of Atacazo, date? (Hellmayr, 1936, Field Mus. Nat. Hist. Publ., Zool. Ser., **13**, pt. 9, p. 201, as "Salvator"); Berlioz, in valley (where?), Aug. 1936 (Berlioz, 1937a:404); Lévêque, near Chiriboga [0015S/7844 (USBGN)], 24 May, 20, 27 Nov. 1960 (Lévêque, 1964:61); also see Roloya, Río.

SALPI Not located
725 m, Olalla, Sept. 1930 (FMNH); this may be Quebrada Salpi [0002S/7834 (USBGN)], Pichincha, although the recorded altitude appears too low for here; there are records of Olalla at Antisana [0030S/7808 (USBGN)], Napo, at Río Chota [0029N/7804 (USBGN)], Imbabura/Carchi, at Monte Chuga [not located] in the eastern cordillera, and at Cerro Puntos [0011S/7812 (USBGN)], Pichincha, all in Sept. 1930, which do not help to identify Salpi and also indicate that a single Olalla could not have been all these places in the same month; obviously, more that one member of the family must have been at work.

SALVADOR; Imbabura (Hellmayr & Conover, 1948:359); see Negra, Laguna.

SALVADOR; Pichincha 0017S/7841 (USBGN)
Alt.?; high in western cordillera on northwestern side of Atacazo [0022S/7837 (USBGN)], 20 km SW of Quito [0013S/7830 (USBGN)] and 12 km WSW of Chillogallo [0016S/7834 (USBGN)] (MHA); on Río Saloya [0001N/7857 (USBGN)], collector?, date? (Hellmayr, 1936, Field Mus. Nat. Hist. Publ., Zool. Ser., **13**, pt. 9, p. 201, as "Salvator").

SALVATOR (Hellmayr, 1936:201); see Salvador; Pichincha.

SALVIAS; El Oro 0347S/7921 (USBGN)
3,500 ft [1,050 m], on Río Amarillo [0345S/87921 (USBGN)], N [SE?] of Portovelo [0343S/7939 (USBGN)], humid tropics, Cherrie, up to 5,500 ft [1,700 m] in subtropics, 10-13 Aug. 1920 (Chapman, 1926a:20, 718); this locality, in the southeastern corner of El Oro, is not shown on maps available to us, but the description given by Chapman (loc. cit.) differs somewhat from the coordinates given by USBGN.

SAMBIZA (FMNH); see Zámbiza.

SAMBORONDÓN; Guayas 0157S/7944 (USBGN)
ca. 100 m, on coastal plain, on right bank of Río Babahoyo [0210S/7952 (USBGN], 25 km NE of Guayaquil [0210S/7950 (USBGN)] (Mapa, 1974); Gómez, Jan. 1939 (FMNH); Olalla, Jan. 1939 (ANSP); Hellmayr & Conover, 1949, Field Mus. Nat. Hist. Publ., Zool. Ser., 13, pt. 1, no. 4, pp. 186, 268, as "Lambarandon," p. 30, as "Lanibarondón"; also see Silva, Isla.

SAN AGUSTÍN, PÁRAMO; Cotopaxi 0041S/7832 (USBGN)
3,100 m, on southwestern slope of Cotopaxi [0040S/7826 (USBGN)], tree-filled dry brook, bushes, Norton, 7 Sept. 1964 (MCZ); not found on our maps.

SANANLAJAS; Chimborazo Not located
13,000-13,500 ft [3,850-4,100 m], at foot of Chimborazo [0128S/7848 (USBGN)], Söderström Coll., date? (Lönnberg & Rendahl, 1922:18); possibly a misspelling.

SAN ANTONIO; Pichincha 0001S/7827 (USBGN)
2,397 m, 23 km NNE of Quito [0013S/7830 (USBGN)] on road to Malchinguí (Mapa, 1957); Söderström Coll., date? (Lönnberg & Rendahl, 1922:47); Olallas, Jan. 1934 (FMNH); Gómez, Oct. 1938 (FMNH, as "San Antonio Hills, Pichincha"); Ortiz-Crespo, 19 Mar., 14 Apr. 1970 (Ortiz-Crespo, 1974:352).

SAN ANTONIO; Tungurahua ? 0109S/7828 (USBGN)
Alt.?; Clarke-Macintyre Coll., 8 July 1937 (MCZ); identification uncertain but the date suggests it is near Baños [0124S/7825 (USBGN)], which is the location of this San Antonio.

SAN ANTONIO, RÍO; Los Ríos ca. 0148S/7927 (Mapa, 1974)
Small river in southeastern Los Ríos between Río Embarcadero

[0148S/7925 (USBGN)], which is a tributary of the Río San Antonio, and the Río Cristal [*olim* Río Playas, 0123S/7818 (USBGN)], which joins Río San Pablo [ca. ? 0149S/7931 (Mapa, 1974)] ca. 8 km E of Babahoyo [0149S/7931 (USBGN)] (Mapa, 1974); courses, as well as names, of rivers in area vary greatly on different maps; according to Mapa, 1974, another Río San Antonio joins the Río Pita [ca. 0139S/7917 (Mapa, 1974)] in Los Ríos, just W of San Antonio [0137S/7915 (USBGN)], Bolívar, although the MHA shows the town in Los Ríos and the affluent rivers very differently positioned; however, the first river fits the description of Berlioz (1932a:229); Olallas, where on river?, Sept.-Oct. 1931 (FMNH; Berlioz, 1932a:229); also see San Antonio Sur, Río.

SAN ANTONIO HILLS (FMNH); see San Antonio; Pichincha.

SAN ANTONIO SUR, RÍO; Los Ríos Not located
Olallas, 23 Sept. 1931 (CM); also see San Antonio, Río.

SAN BARTOLO; Loja ca. 0402S/7955 (Chapman, 1926a, pl. 3)
7,500 ft [2,300 m], on western slope of Guachanamá [0402S/7953 (USBGN)], Cherrie and Gill, 3-6 Sept. 1921 (Chapman, 1926a:20, 718); not shown on our maps.

SAN BARTOLO; Pichincha 0016S/7831 (USBGN)
9,400 ft [2,875 m], a southern suburb of Quito [0013S/7830 (USBGN)], Söderström Coll., date? (Lönnberg & Rendahl, 1922:36); not on maps available to us.

SAN BARTOLOMÉ; Azuay ? 0303S/7852 (USBGN)
ca. 2,500 m, ca. 30 km SE of Cuenca [0253S/7859 (USBGN)] (Mapa, 1974); MHA indicates at ca. 0257S/7849, while Mapa, 1950 shows at ca. 0302/7847, Mapa 1957 at ca. 0301S/7851, and Mapa, 1974 at ca. 0302S/7850; Festa, Nov. 1896 (Salvadori & Festa, 1900:31, as "Bartolomé"; Chapman, 1926a:731).

SAN CADAO-MINDO; Pichincha ? Not located
Alt.?; Olallas, July 1931 (FMNH); presumably on the western slope near Mindo [0002S/7848 (USBGN)]; probably error for San Tadeo [0001N/7848 (USBGN)], which see.

SAN CRISTÓBAL, ISLA; Galápagos 0050S/8926 (USBGN)
Also = Chatham Island.

SANCUDO COCHA, LAGUNA (USBGN); see Zancudo.

SAN DIEGO; Pichincha Not located
Alt.?; Olallas, 15 Jan. 1964 (MCZ, as "San Diego, Volcán Pichincha [0010S/7833 (USBGN)]").

SAN DOMINGO (Menegaux, 1908:92); see Santo Domingo de los Colorados.

SAN ELENA, CAPE (USNM); see Santa Elena, Punta.

SAN FERNANDO; Azuay 0311S/7916 (USBGN)
2,700 m (MCZ); southwestern Azuay, 13 km W of Girón [0310S/7908 (UBGN)] in valley of uppermost Río Rircay [0324S/7921 (USBGN)] (MHA); Gómez, 30 June 1939 (MCZ).

SAN FRANCISCO; Tungurahua ? 0118S/7830 (USBGN)
3,500 ft [1,050 m], on Río Pastaza [0455S/7624 (USBGN)], near Baños [0124S/7825 (USBGN)], Clarke-Macintyre Coll., 21-22 Sept., 11-16 Oct., Nov. 1937 (FMNH; MCZ); there are many localities with similar names, but the coordinates of this one seem best to fit Clarke-Macintyre's description; this may be the Hacienda San Francisco, near the mouth of the Río Mapoto [0125S/7815 (USBGN)], mentioned by Brown (1941, Ann. Entom. Soc. Amer., **34**:834); Olallas, at "San Francisco, Oriente," 1,300 m, Mar. 1945 (FMNH), which could be the same locality.

SAN FRANCISCO, CABO DE; Esmeraldas 0040N/8005 (USBGN)
Major cape in southwestern Esmeraldas, 60 km SW of city of Esmeraldas [0059N/7942 (USBGN)] (MHA); Ashcraft, 23 Feb. 1938 (LACMNH).

SAN FRANCISCO DE BORJA (Mapa, 1974); see Borja.

SAN FRANCISCO DE LAS PAMPAS; Cotopaxi Not located
1,750 m, 57 km SW of Quito [0013S/7830 (USBGN)], Holmgren and Marin, 2-7 km NE, 3 June 1989 (WFVZ; Marin, in litt.).

SAN GABRIEL; Carchi 0036N/7749 (USBGN)
2,871 m, in eastern Carchi between the eastern and western cordilleras, 42 km NE of Ibarra [0021N/7807 (USBGN)] (MHA; Mapa, 1957); Rivet, between ca. 1898-1906 (Simon, 1907:17;

Menegaux, 1922:58); Söderström Coll., date? (Lönnberg & Rendahl, 1922:58); see, also, Tusa.

SANGAY, VOLCÁN; Morona-Santiago 0200S/7820 (USBGN)
5,320 m (MHA); although MHA, USBGN, and Mapa, 1957 indicate the summit is at 0200S, Mapa, 1950 and Mapa, 1974 show it at ca. 0158S; Moore, on NW slope at El Dorado Valley (or Dorado Valley) and Mt. Dorado, coined names, neither of which can be placed, but presumably are above 4,000 m, ca. 25 July-7Aug. 1929, (Moore, 1934b:145, 152; 1940:251); Mena, 10, 30 Sept. 1932 (LACMNH); collector? [Mena?], 16 Sept. 1932 (Vuilleumier & Ewert, 1978, Bull. Amer. Mus. Nat.. Hist., **162**:67); Olallas, June 1935 (FMNH); also see Culebrillas de Sangay; Planchas; El Placer, Morona-Santiago; and Magdalena, Loma.

SAN GOLQUI (Simon, 1907:17); see Sangolquí.

SANGOLQUÍ; Pichincha 0019S/7827 (USBGN)
2,510 m, in Central Valley, 12 km SSE of Quito [0013S/7830 (USBGN)] (MHA, Mapa, 1957); Söderström Coll., date? (Lönnberg & Rendahl, 1922:48); Rivet, ca. 1898-1899 (Simon, 1907:17, as "San Golqui"); Chapman, 1926a:314, as "San Holqui."

SAN HOLQUI (Chapman, 1926a:314); see Sangolquí.

SAN IGNACIO (Lönnberg & Rendahl, 1922:57); see Hacienda San Ignacio.

SAN ISIDRO; Morona-Santiago ca. 0213S/7810 (Mapa, 1957)
ca. 1,200 m, 12 km NNE of Macas [0219S/7807 (USBGN)] (Mapa, 1957; Mapa, 1974); Ridgely, nearby, 3 Aug. 1979 (Ridgely, 1980:244).

SAN JACINTO; Manabí 0047S/8031 (USBGN)
Sea level, village on coast of central Manabí, S of Bahía de Caráquez [0033S/8030 (USBGN)] and N of Bahía de Manta [0054S/8042 (USBGN)] (Mapa, 1974); Fuentes, 7 Sept. 1965 (Fuentes, 1966?:10).

SANJAS Not located
Alt.?; Rosenberg Coll., date? (FMNH); presence of *Ochthoeca fumicolor brunneifrons* is indicative of high altitude.

SAN JAVIER Not located
Alt.?; northwestern Ecuador, Rosenberg Coll., dates? (Hartert, 1901:369ff; 1902:602ff); probably the San Javier at 0104N/7847 (USBGN), Esmeraldas, but there are several other San Javiers nearby.

SAN JAVIER; Esmeraldas 0104N/7847 (USBGN)
ca. 100 m, interior northern Esmeraldas on coastal plain, on railway, near where Río Cachabí [0103N/7850 (USBGN)] swings abruptly W, 13 km E of Maldonado [0104N/7852 (USBGN)] (Mapa, 1957; Mapa, 1974, as "San Javier de Cachabí"); Flemming, for Rosenberg Coll., May-Aug. 1900 (FMNH; MCZ); "G. F." [G. Flemming], 2, 17, 28 Jan., 6 July, 6 Aug. 1900 (MCZ; FMNH; CM); Olalla, 2 Apr., 30 Sept. 1962 (MCZ).

SAN JAVIER DE CACHABÍ (Mapa, 1974); see San Javier; Esmeraldas.

SAN JORGE; Chimborazo ? Not located
Alt.?; Fraser, Oct. 1859 (Sclater, 1859d:141, as "San Jorge (Pallatanga [0159S/7857 (USBGN)])".

SAN JOSÉ Not located
Alt.?; "Oriente," Festa, May 1896? (Salvadori & Festa, 1899a:16ff, as "San José" or "San José, Ecuador or."; Chapman, 1926a:731); collector?, June 1923 (USNM); presumably in vicinity of Río Suno [0042S/7708 (USBGN)], date? (de Schauensee, 1951:3); this is probably San José Nuevo [0026S/7720 (USBGN)], which see.

SAN JOSÉ; Azuay Not located
Alt.?; collector?, Aug. 1913 (FMNH).

SAN JOSÉ; Cañar ca. ? 0225S/7905 (FMNH)
1,760 ft [525 m], northernmost Cañar, 12 mi [20 km] SW of Huigra [0217S/7859 (USBGN)], Hempel, for Rosenberg Coll., Aug. 1913 (FMNH).

SAN JOSÉ; Manabí Not located
Alt.?; Gómez, June 1942 (FMNH).

SAN JOSÉ, CERRO; Pichincha Not located
Alt.?; Olallas, Aug. 1931 (FMNH); Olalla, 28 Mar. 1963 (MCZ, as "San José via Mindo"); probably one of several towns and haciendas

bearing this name in the Montañas de Mindo [0010N/7855 (USBGN)].

SAN JOSÉ, RÍO; Los Ríos Not located
Central Los Ríos, in vicinity of Babahoyo [0210S/7952 (USBGN)], Olalla, Sept.-Oct. 1931 (Berlioz, 1932a:228-230).

SAN JOSÉ, RÍO; Moronoa-Santiago ca. ? 0317S/7837
The Río San José, a small river ca. 25 km SSE of Granadillo [Granadillas [0308S/7844 (USBGN)] and ca. 20 km NW of Gualaquiza [0324S/7833 (USBGN)], is depicted on MHA as entering the left bank of the Río Blanco [0352S/7904 (USBGN)] at ca. 0330S/7837; although the *relationship* to the Río Blanco [called Río Cuchupamba on Mapa, 1974] may be correct on the MHA, the entire region appears to have been displaced south when compared with Mapas, 1950, 1957, and 1974; e. g., Gualaquiza is at 0337S on MHA vs. 0324 in USBGN and on Mapas, 1950, 1957, and 1974; it appears therefore, that the Río San José must enter at ca. 0317S/7837; Festa, presumably at mouth, 13 Nov. 1895 (Chapman, 1926a:731).

SAN JOSÉ ABAJO (Olson, 1980:72); see San José Nuevo.

SAN JOSÉ DE MINAS; Pichincha 0010N/7825 (USBGN)
ca. 2,500 m, 20 km SW of Otavalo [0014N/7816 (USBGN)], above Río Guaillabamba [0028N/7925 (USBGN)] (Mapa, 1950); Söderström Coll., at ca. 7,000 ft [2,150 m], date? (Hartert, 1898:499, as "Urabi [not located], San José de Minas"); Marin, nearby, 15 km SW of Otovalo, 13 July 1990 (WFVZ).

SAN JOSÉ DE PAYAMINO (Mapa, 1974); see Payamino.

SAN JOSÉ DE QUICHINCHE; Imbabura 0015N/7817 (USBGN)
ca. 2,500 m, south-central Imbabura, 5 km W of Otavalo [0014N/7816 (USBGN)] (MHA; Mapa, 1957, as "Quichinche"); Marin, nearby, 11 km WSW of Otavalo, at 2,800 m, 13 July 1990 (WFVZ, as "Quichinche" and "Quichinde"; Marin, in litt., as "Quichinde").

SAN JOSÉ DE SUMACO (Chapman, 1926a:719); see San José Nuevo.

SAN JOSÉ DE SUMARCO (Park & Atyeo, 1973:228); see San José Nuevo.

SAN JOSÉ NUEVO; Napo 0026S/7720 (USBGN)
ca. 500-1,000 m, 60 km E of Baeza [0027S/7753 (USBGN)], 35 km NE of Volcán Sumaco [0034S/7738 (USBGN)], and 10 km NW of Payamino [0030S/7717 (USBGN)] (Mapa, 1950); Chapman (1926a: 719) cites this as "San José de Sumaco," never specifically using the term *nuevo*, although differentiating this settlement from its precursor, viz., San José Viejo [0032S/7725 (USBGN)], a short distance to the S and close to the Río Suno [0042S/7708 (USBGN)] (Mapa, 1950); San José Viejo seems to have been renamed Gonzalo Pizarro and San José Nuevo to have disappeared (Mapa, 1974); Chapman decribes San José Nuevo as being on the lower edge of the subtropical zone and on the flanks of Volcán Sumaco, although it is 35 km from the summit, and explains that all AMNH material recorded from "San José" or from "below San José" was obtained at San José de Sumaco [=San José Nuevo] by the Olallas, 2-31 Mar. 1923, 22 Mar.-24 Apr. 1924 (Chapman, 1926a:21, 719; Park & Atyeo, 1973, Journ. Georgia Entom. Soc., **8**:48); Olallas, 30? Mar. 1926 (Olson, 1980, Proc. Biol. Soc. Washington, 93:72, as "San José Abajo"); Olallas, below San José Nuevo, 8-10, 14-17 Apr. 1927, 10 Mar. 1933 (CM); Park & Atyeo, 1973, Journ. Georgia Entom. Soc., **8**:228, as "San José de Sumarco."

SAN JOSÉ VIEJO (Chapman, 1926a:719); see San José Nuevo.

SAN JUAN; Cañar 0214S/7908 (USBGN)
1,215 m, 15 mi [25 km] W [NW] of Huigra [0217S/7859 (USBGN)], Cherrie, Aug. 1905, Hempel, 15 Aug. 1913 (FMNH); presumably this is on the railroad in extreme northern Cañar, on Chimborazo border; not depicted on our maps.

SAN JUAN; Pichincha 0018S/7837 (USBGN)
ca. 3,000 m, on road to Santo Domingo de los Colorados [0015S/7909 (USBGN)], 16 km SW of Quito [0013S/7830 (USBGN)] (MHA; Mapa, 1957); Marin, et al., nearby, from 2,500-3,200 m, 25-26 June, 13 Aug. 1989, Corado, nearby, 7 July 1990 (WFVZ; Marin, in litt.).

SAN JUAN DE PASTOCALLE; Cotopaxi 0043S/7838 (USNGN)
ca. 3,800 m, in central northern Cotopaxi, SE of Illiniza [0040S/7842 (USBGN)] (MHA, as "Pastocalle"); Carrión, 5 km NW on páramos of Illiniza, 7 Oct. 1989 (WFVZ, as "Pastocalle" and "San Juan Pastocalle").

SAN JUAN DE PÓZUL; Loja 0406S/8005 (USBGN)
Alt.?; ca. 10 km WNW of Catacocha [0404S/7938 (USBGN)] in valley of upper Río Casanga [0408S/7949 (USBGN)]; not shown on available maps; Corado, 3 km W, 18 Mar. 1991 (WFVZ, as "Pozul").

SAN JUAN PASTOCALLE (WFVZ); see San Juan de Pastocalle.

SAN LORENZO; Esmeraldas 0117N/7850 (USBGN)
Sea level, extreme northern coastal Esmeraldas, terminus of railroad, 20 km from Colombian border (MHA; Mapa, 1974); Proaño, May 1963 (ANSP, as "San Lorenzo, Occidente"; identification uncertain); Vuilleumier, 5-11 Aug. 1964 (Vuilleumier, 1978:22); Arvey, 10-13 Dec. 1971 (LACMNH, as "La Chiquita, zona San Lorenzo"); Angle and Watson, off cape, 25 Apr. 1965 (USNM).

SAN LUCAS; Loja 0345S/7915 (USBGN)
2,490 m , northern Loja, 28 km N of city of Loja [0400S/7913 (USBGN)] and 15 km S of Saraguro [0336S/7913 (USBGN)] (MHA; Mapa, 1974); collector for Buckley, date? (Gould, 1872:195, as "St. Lucas, near Loxa"); Villagomez and Illingworth, date? (Chapman, 1926a:719); Baron, between San Lucas and Loja, at 9,000 ft [2,759 m], date? [1893?] (Hartert & Hartert, 1894:46).

SAN LUIS; Morona-Santiago Not located
Alt.?; near Volcán Sangay [0200S/7820 (USBGN)], collector?, date? (Moore Coll., as "San Luis, Zamora, near Sangay"); Mena, 8, 11, 14 July 1931, 6, 12 July, 14, 29 Sept.1932 (CM).

SAN MARCOS; Cotopaxi Not located
550 m, 63 km [by road?] W of Latacunga [0056S/7837 (USBGN)], NE of La Mana [not located], Corado and Marin, nearby, 21 Aug. 1990 (WFVZ).

SAN MARTÍN; Azuay 0311S/7913 (USBGN)
Alt.?; SW of Cuenca [0253S/7859 (USBGN)], probably on road below Girón [0310S/7908 (USBGN)]; not indicated on our maps; Gómez, June 1939 (FMNH).

SAN MARTÍN; Guayas 0257S/7953 (USBGN)
Alt.?; in extreme southern Guayas, on coastal plain and probably on the coast, near Tenguel [0300S/7946 (USBGN)]; not shown on maps available to us; Baron, ca. Jan.-Apr. year? [1893?] (Hartert &

Hartert, 1894:52, 58); identification uncertain but probably correct because at about the same time Baron was at Naranjal [0242S/7937 (USBGN)] and Molleturo [0248S/7926 (USBGN)], which are nearby.

SAN MATEO; Esmeraldas (Berlioz, 1937b:116); see San Mateo; Manabí.

SAN MATEO; Manabí 0058S/8050 (USBGN)
Sea level, coastal village SW of Manta [0057S/8044 (USBGN)], central Manabí (Mapa, 1957); Olallas ?, 3-30 Sept. 1936 (Berlioz, 1937b:116-118, as "San Mateo, Esmeraldas"); Olallas, 23, 30 Sept., 9, 11 Oct. 1936 (CM); Clarke-Macintyre Coll., 16 Jan. 1937 (LACMNH, as "San Mateo, Esmeraldas"); there is a slight possibility that some records from "San Tadeo" (which see) refer to San Mateo, as sometimes names have been interchanged (USBGN, p. 157).

SAN MIGUEL; Bolívar 0144S/7901 (USBGN)
ca. 2,500 m, on western slope in upper valley of Río Chimbo [0127S/7924 (USBGN)], 52 km ENE of Babahoyo [0149S/7931 (USBGN)] and 17 km SSW of Guaranda [0316S/7900 (USBGN)] (MHA; Mapa, 1957); Söderström Coll., at 4,000 ft [1,200 m], Nov. 1881 (Allen, 1889:73); the low altitude of the Söderström locality suggests that it may refer to another San Miguel; Festa, 19-20 Aug. 1897 (Salvadori & Festa, 1899a:30, as "San Miguel de Chimbo"; Chapman, 1926a:723).

SAN MIGUEL; Cotopaxi (Mapa, 1974); see San Miguel de Salcedo.

SAN MIGUEL DE CHIMBO (Salvadori & Festa, 1899a:30); see San Miguel.

SAN MIGUEL DE LOS BANCOS; Pichincha ca. 0002N/7852 (Mapa, 1974)
ca. 900 m, on lower western slope, 34 km WNW of Mindo [0002S/7848 (USBGN)] (Mapa, 1974); Greenfield and Davis, 13 Dec. 1978 and ca. 5 km W at 1,200 m, 8 Nov. 1978 (Ridgely, 1980:246, 247); Carrión, 14 Nov. 1987 (WFVZ).

SAN MIGUEL DE SALCEDO; Cotopaxi 0102S/7834 (USBGN)
2,651 m, in Central Valley, 12 km SSE of Latacunga [0056S/7837 (USBGN)] (Mapa, 1957, as "Salcedo"; Mapa, 1974, as "San Miguel"); Sornoza, et al., at Km 21 on Salcedo [San Miguel de Salcedo]/Tena [0059S/7749 (USBGN)] road, 27 Nov., at Km 24, same road, 27 Nov., at Km 29, at 4,100 m, same road, 27 June [?],

27 Nov., at Km 35, at 4,100 m, same road, 27 Nov., at Km 50, at 3,400 m, same road, 27 Nov. 1991 (WFVZ; Marin, in litt.).

SAN NICOLÁS; Pichincha Not located
3,000 ft [900 m], on trail to Santo Domingo de los Colorados [0015S/7909 (USBGN)] from Quito [0013S/7830 (USBGN)], and presumably W of Canzacoto [0026S/7845 (USBGN)], Goodfellow and Hamilton, Sept. 1898 (Goodfellow & Hamilton, 1901:309, 479; Simon, 1907:16-17); Rivet, at 800 m, between ca. 1898-1906 (Simon, 1907:16-17; Menegaux, 1911:27).

SAN NICOLÁS; Tungurahua ? Not located
Alt.?; near Baños [0124S/7825 (USBGN)], Clarke-Macintyre Coll., 14-15 Nov., 14 Dec. 1937, 12 Jan. 1938 (MCZ).

SAN PABLO, LAGO (MCZ); see San Pablo, Laguna de.

SAN PABLO, LAGUNA DE; Imbabura 0013N/7812 (USBGN)
ca. 2,573 m, in Central Valley, 5 km SE of Otavalo [0014N/7816 (USBGN)] at foot of Imbabura [0016N/7810 (USBGN)] (MHA); temperate (Chapman, 1926a:719); Söderström Coll., date? (Lönnberg & Rendahl, 1922:19); Olallas, 18 Mar. 1925, Mar. 1931, Dec. 1933, Feb. 1939 (MCZ, as "Lago San Pablo"; FMNH); Berlioz, 1936 (Berlioz, 1937a:408); Lévêque, 9-10 Oct. 1960, 13-15 May 1961 (Lévêque, 1964:61); Greenfield, 16 Feb. 1980 (Ridgely, 1980:247).

SAN PABLO BALZAR, CORDILLERA DE (Mapa, 1957); see Balzar, Cordillera de.

SAN PEDRO; Guayas 0158S/8044 (USBGN)
Sea level, village on coast of northern Guayas at mouth of Río Valdivia [0156S/8044 (USBGN)] on Ensenada de Valdivia [0157S/8044 (USBGN)] (MHA); Fuentes, on beach, 10 Sept. 1965 (Fuentes, 1966?:11).

SAN PEDRO; Pichincha (CM); see San Pedro de Taboada.

SAN PEDRO; Loja 0358S/7925 (USBGN)
1,715 m, central Loja, on ridge on western side of valley of Río Casanga [0408S/7949 (USBGN)], 8 km NW of Catamayo [0359S/7921 (USBGN)] (Mapa, 1950; Mapa, 1957); Kiff, 5 Mar. 1989 (WFVZ, as "San Pedro de la Bendita").

SAN PEDRO, RÍO; Pichincha 0006S/7823 (USBGN)
Flows N from southern Pichincha, draining the basin between the cordilleras, passing E of Quito [0013S/7830 (USBGN)], to join Río Guaillabamba [0028N/7925 (USBGN)] (Mapa, 1957); Festa, where?, July 1897 (Salvadori & Festa, 1899b:3; Chapman, 1926a:731); Söderström Coll., along river, at 8,000 ft [2,450 m], 18 Oct., near Amaguana [0022S/7830 (USBGN)], at 8,500 ft [2,600 m], 10 Mar., near Cumbaya [0012S/7826 (USBGN)], at 8,000 ft [2,450 m], 5 Feb., near Tumbaco [0013S/7824 (USBGN)], at 8,000 ft [2,450 m], June, July, 23 Dec., below Tumbaco, at 7,500 ft [2,300 m], 20 Jan. year or years? (Lönnberg & Rendahl, 1922:19ff); Söderström Coll., Oct. 1913, Oct. 1920 (FMNH).

SAN PEDRO DE LA BENDITA (WFVZ); see San Pedro; Loja.

SAN PEDRO DE MINDO; Pichincha ? Not located
Alt.?; Olallas, 5, 14 Apr. 1930 (Stresemann, 1938:117); presumably not far from Mindo [0002S/7848 (USBGN)], which see, as collection dates bracket those from here.

SAN PEDRO DE TABOADA; Pichincha 0019S/7828 (USBGN)
ca. 2,500 m, in Central Valley, 11 km SE of Quito [0013S/7830 (USBGN)] and contiguous with Sangolquí [0019S/7827 (USBGN)] (Mapa, 1950, as "San Pedro"; Mapa, 1957, as "San Pedro"); Gómez, 5 May 1939 (CM, as "San Pedro").

SAN PEDRO FINGO, VOLCÁN DE (Berlioz, 1927:491); see San Pedro Tingo, Volcán de.

SAN PEDRO TINGO, VOLCÁN DE Not located
Alt.?; possibly a mountain [= ? Cerro Ilaló, 0016S/7824 (USBGN)] near San Pedro [0011S/7825 (USBGN)], Pichincha, which is near village of El Tingo [0017S/7826 (USBGN)], and close to Quito [0013S/7830 (USBGN)]; Clavery Coll., date? (Berlioz, 1927:491, as "V. de San Pedro Fingo"; 1928b:75).

SAN RAFAEL; Chimborazo (Menegaux, 1911:39); see San Rafael; Tungurahua.

SAN RAFAEL; Guayas (USNM); see Hacienda San Rafael.

SAN RAFAEL; Pichincha 0019S/7826 (USBGN)
ca. 2,500 m, in Central Valley, 12 km SSE of Quito [0013S/7830

(USBGN)] and adjacent to Sangolquí [0019S/7827 (USBGN)] (Hoja CT ÑIII-B3); on Río San Rafael [? Quebrada San Rafael, 0003S/7827 (USBGN)] and Río El Tingo [? 0039S/7851 (USBGN)], Reck, 24 Oct. 1991 (WFVZ).

SAN RAFAEL; Tungurahua 0122S/7829 (USBGN)
9,000 ft [2,750 m], hacienda on slopes of Volcán Tungurahua [0127S/7826 (USBGN)], with forest extending to 11,500 ft [3,500 m], Stolzmann, from ca. 5,000-15,000 ft [1,500 m-4,600 m], ca. 1884 (Taczanowski & Berlepsch, 1885:67); it is uncertain whether the hacienda was at or near the site of the present village of San Rafael, whose coordinates are given above; Menegaux, 1911:39, as "San Rafael, Chimborazo."

SAN RAFAEL, CASCADA; Napo Not located
Alt.?; falls on Río Coca [0029S/7658 (USBGN)] on Quito [0013S/7830 (USBGN)]/Lago Agrio [ca. 0006N/7653 (Mapa, 1974)] road, between villages of San Rafael [not located] and Río Reventador [not located; presumably where Río del Reventador, 0009S/7723 (USBGN), crosses highway], Ross, et al., late Aug. 1986 (Evans, 1988:77-78); the Río Quijos [0014S/7743 (USBGN)] is a major headwater of the Río Coca and it is probable that Evans (loc. cit.) was uncertain where the Quijos becomes the Coca and applied the wrong name to the portion of the river he visited; this may also be called Coca Falls, which see.

SAN SALVADOR, ISLA; Galápagos 0014S/9045 (USBGN)
Also = James Island or Isla Santiago.

SAN SEBASTIÁN, CERRO Not located
Alt.?; apparently at northern end of Cerros de Colonche [0200S/8020 (USBGN)] near Manabí/Guayas border, collector?, at 400-750 m, date?, ANSP personnel, up to 800 m, Jan., Aug. 1991 (Krabbe, 1992b:171, 173).

SANTA ANA Not located
Alt.?; Clarke-Macintyre Coll., 22 Sept., 22 Jan. 1938 (MCZ); presence of *Chlorornis r. riefferii* indicative of a moderate altitude.

SANTA ANA, PUNTA; Loja ? ca. 0350S/7933 (Chapman, 1926a:map)
3,650 ft [1,100 m], camp between Portovelo [0343S/7939 (USBGN)] and Loja [0400S/7913 (USBGN)] at headwaters of Río Túmbez

[0330S/8027 (USBGN)] in heavy, humid, tropical forest within arid region, Cherrie, 7-23 Dec. 1920 (Chapman, 1926a:20, 716).

SANTA BÁRBARA; Napo ca. 0038N/7735 (Mapa, 1974)
ca. 2,000 m, on slopes of Andes in extreme northwestern Napo, on upper Rio Chingual [0003N/7710 (USBGN)], very close to Carchi and Colombian borders (Mapa, 1974); Olalla, 12, 14 Dec. 1963 (Orces, 1974:10; MCZ).

SANTA CAROLINA (Goodfellow, 1902:222); see La Carolina; Pichincha.

SANTA CECILIA; Napo 0003N/7658 (USBGN)
ca. 300 m, in northern lowlands near the Colombian border on Río Aguarico [0059S/7511 (USBGN)] (Mapa, 1957; Mapa, 1974); collector?, date? (Olson, 1973, Proc. Biol. Soc. Washington, **34**:409); observers?, 29 June-15 Aug. 1971 (Kikkawa, et al., 1980:962).

SANTA CECELIA, HIPPODROMA (Mills, 1967:537); see Guayaquil.

SANTA CLARA (CM); see Hacienda Santa Clara.

SANTA CLARA, ISLA; Guayas ? 0310S/8027 (USBGN)
Sea level, in Golfo de Guayaquil [0310S/8027 (USBGN)], ca. 30 km SW of Isla Puna [0250S/8008 (USBGN)] (MHA); Murphy and Heilner, 24-26 Feb. 1925 (Murphy, 1936, *Oceanic Birds S. Amer.*, Vol. 1, p. 29, as "El Muerto" or "Amortajada").

SANTA CLARA DE SAN MILLAN; Pichincha Not located
Alt.?; on outskirts of Quito [0013S/7830 (USBGN)], Söderström Coll., 10 June year? (Lönnberg & Rendahl, 1922:48); probably the Santa Clara at 0005N/7809 (USBGN) or possibly Hacienda Santa Clara [0019S/7826 (USBGN)], on the Río Santa Clara [0018S/7828 (USBGN)], now a suburb of Quito; "Millan" may be a misspelling.

SANTA CRUZ, ISLA; Galápagos 0038S/9023 (USBGN)
Also = Indefatigable Island.

SAN TADEO; Pichincha 0001N/7848 (USBGN)
5,000 ft [1,500 m] (FMNH); on western slopes, just N of Mindo [0002S/7848 (USBGN)] and somewhat higher (Mapa, 1957); Olallas ?, June 1935 (Berlioz, 1937b:115); Gómez, May 1940 (FMNH); Sternitzky, 8 Oct. 1940 (CM); there is a slight possibility that some

records from San Mateo [0058S/8050 (USBGN)], Manabí (which see) refer to San Tadeo, as sometimes the names have been interchanged (USBGN, p. 157); also see San Cadao-Mindo.

SANTA ELENA; Guayas 0214S/8051 (USBGN)
Sea level, on northern side of Península de Santa Elena [0215S/8050 (USBGN)], 15 km E of Salinas [0213S/8059 (USBGN)] and a short distance inland (Mapa, 1974); Festa, in general region, 5 Jan.-9 Feb. 1898, Gill, 13-19 Dec. 1921 (Chapman, 1926a:20, 732); Garth, 20 Jan. 1933 (LACMNH); Hershkovitz, 23 Dec. 1933 (Storer & Getty, 1985, Amer. Ornith. Union Monog., no. 36, p. 38); Carrión, 30 Mar. 1990, Corado, et al., 1 km S, 22 Feb., 1 km SE, 25-26 Feb., 11 km E, 22, 24-25 Feb., 18 Apr., 3 km SE, 26 Feb., 10 km N, 10 Mar. 1989 (WFVZ).

SANT ELENA, BAHÍA DE; Guayas 0206S/8053 (USBGN)
Large bay on northeastern side of Península de Santa Elena [0215S/8050 (USBGN)] (MHA); Garth, 18, 20-21 Jan. 1933 (LACMNH).

SANTA ELENA, PENÍNSULA DE; Guayas 0215S/8050 (USBGN)
Broad, generally flat peninsula jutting into the Pacific W of Guayaquil [0210S/7950 (USBGN)], with ill-defined eastern limits roughly delimited by the western edge of the Cordillera de Colonche [Cerros de Colonche, 0200S/8020 (USBGN)], gently sloping upward to ca. 100 m in eastern portion, roughly 40 km inland, with a few hills and ridges up to 300 m (MHA; Mapa, 1950; Mapa, 1957; Mapa, 1974); driest region in Ecuador, but well vegetated with xerophytic shrubs and trees, grasses, and cacti, with a dry season from ca. May-Dec., when it is cool and cloudy, and a very hot wet season; collections and studies made at several sites, e. g., Aconito [0220S/8053 (USBGN)], Ancón [0220S/8052 (USBGN)], Atahualpa [0219S/8047 (USBGN)], Carolina [0213S/8056 (USBGN)], Chanduy [0225S/8040 (USBGN)], Río Chico [not located], Colonche [0201S/8040 (USBGN)], Río Egabo [0222S/8050 (USBGN)], Jambeí [0204S/8045 (USBGN)], Juan Gómez Rendón [0224S/8022 (USBGN)], La Libertad [0214S/8057 (USBGN)], Manglaralto [0150S/8044 (USBGN)], Santa Elena [0214S/8051 (USBGN)], and Punta Santa Elena [0211S/8100 (USBGN)], which see; overall study and collection by Marchant, Oct. 1954-Aug. 1957 (Marchant, 1958:349-353).

SANTA ELENA, PUNTA; Guayas 0211S/8100 (USBGN)
Sea level, westernmost point of Península de Santa Elena [0215S/8050 (USBGN)] (Mapa, 1974); probable locale of Festa, Jan. 1898 (Salvadori & Festa, 1899a:5, as "Puntilla de S. Elena"); Murphy and Heilner, 12-16 Feb. 1925 (Chapman, 1926a:21); Fagan, 15 mi [24 km] offshore, 21 June 1922 (USNM, as "Cape San Elena").

SANTA ELENA, PUNTILLA DE (Salvadori & Festa, 1899a:5); see Santa Elena, Punta.

SANTA EULALIA; Pichincha 0001S/7821 (USBGN)
ca. 2,200 m, 2 km N of Guaillabamba [0004S/7821 (USBGN)], on Río Pisque [0002S/7823 (USBGN)], in centrral valley (Hoja CT NIII-B1); Marin, at 2,050 m, 15-17 Nov. 1991, Livingstone and Marin, 21 June 1992 (WFVZ; Marin, in litt.).

SANTA FE, ISLA; Galápagos 0049S/9004 (USBGN)
Also = Barrington Island.

SANTA INÉS; Tungurahua 0125S/7812 (Brown, 1941:846)
1,244 m, on north bank of upper Río Pastaza [0455S/7624 (USBGN)], ca. halfway between Río Mapoto [0125S/7815 (USBGN)] and Río Topo [0124S/7812 (USBGN)] and 22 km below Baños [0124S/7825 (USBGN)] (Brown, 1941, Ann. Entom. Soc. Amer., **34**:846; Atlas Geog.); Buckley, 1870, presumably at this Santa Inés (Gould, 1871a:803, as "St Ines"); Rivet, ca. 1898-1899 (Simon, 1907:17); Chapman, 1926a:719, as "Santa Inez."

SANTA INEZ (Chapman, 1926a:719); see Santa Inés.

SANTA LUCÍA (Chapman, 1926a:719, as "Santa Luzia"); in Tumbes, Peru; erroneously attributed to Ecuador.

SANTA LUCÍA; Guayas 0143S/7958 (USBGN)
ca. 200 m, central Guayas on left bank of Río Daule [0210S/7952 (USBGN)], 50 km NNW of Guayaquil [0210S/7950 (USBGN)] (Mapa, 1974); Lévêque, 23 July 1961 and at pond between here and Daule [0150S/7956 (USBGN)], Mar. 1962 (Lévêque, 1964:53, 61).

SANTA LUZIA (Chapman, 19326a:719); error for Santa Lucía, Tumbes, Peru.

SANTA MARÍA, ISLA; Galápagos 0117S/9026 (USBGN)
Also = Charles Island or Isla Floreana.

SANTA RITA Not located
Alt.?; Villagomez, date? (Sharpe, 1892, Cat. Birds. Brit. Mus., **17**:140); Buckley, date? (Salvadori, 1891, Cat. Birds. Brit. Mus., **20**:342); presumably in the Andes, as this is the type locality of *Hapalopsitta pyrrhops.*

SANTA ROSA; El Oro 0327S/7958 (USBGN)
ca. 100 m, in central El Oro on arid coastal plain, 20 km S of Machala [0316/7958 (USBGN)] (MHA); Beal and Steere, Dec. 1872 (FMNH); Richardson, 8-12 Sept., 21 Nov.- 7 Dec. 1913, Cherrie and Gill, 15-20 July 1921, Gill, 21-27 Oct. 1921, Chapman, et al., 19 July 1922 (Chapman, 1926a:19-21); Gómez, Sept. 1939 (FMNH); Olallas, 19-20 May 1967 (MCZ).

SANTA ROSA; Pastaza ? Not located
Alt.?; on Río Pastaza [0455S/7642 (USBGN)] watershed, Clarke-Macintyre Coll., 14 June 1937 (WFVZ).

SANTA ROSA; Pichincha Not located
Alt.?; on trail from Santo Domingo de los Colorados [0015S/7909 (USBGN)] to Quito [0013S/7830 (USBGN)], Rivet, between ca. 1899-1906 (Menegaux, 1911:78); Clarke-Macintyre Coll., 30 Oct. 1937 (MCZ); may not be same as Rivet's Santa Rosa; Marin and Corado, ca. 30 km NW of Quito [0013S/7830 (USBGN)], at 2,000-2,300 m, on Tandayapo [Tandayapa, 0001S/7846 (USBGN)]/Santa Rosa road, 24, 29 Aug. 1990 (WFVZ); may not be the same Santa Rosa as above records.

SANTAY, ISLA; Guayas 0214S/7952 (USBGN)
Sea level, moderate size island in Río Guayas [0236S/7952 (USBGN)], opposite Guayaquil [0210S/7950 (USBGN)] (Mapa, 1950); Lévêque, several occasions between Jan. 1960-Apr. 1962 (Lévêque, 1964:55).

SANTIAGO, ISLA; Galápagos 0014S/9045 (USBGN)
Also = James Island or Isla San Salvador.

SANTIAGO, RÍO; Morona-Santiago 0427S/7738 (USBGN)
Rises through confluence of Río Namangoza [0300/7830 (USBGN)] and Río Zamora [0259S/7813 (USBGN), on lower slopes about

midway between Méndez [0243S/7819 (USBGN)] and Gualaquiza [0324S/7833 (USBGN)], and flows E for ca. 40 km, thence S to Río Marañon [0430S/7327 (USBGN)] (MHA; Mapa, 1950); Festa, using Gualaquiza as a base, on this and nearby rivers, 14 Nov., 1895 - 18 July 1896 (Salvadori & Festa, 1899a:4ff; 1899b:5ff; 1900:3ff; Chapman, 1926a:731).

SANTIAGO DE GUAYAQUIL (USNM); see Guayaquil.

SANTIAGO-ZAMORA, PROVINCIA DE; see Zamora-Chinchipe, Provincia de and Morona-Santiago, Provincia de.

SANTO DOMINGO (Goodfellow, 1901:306); see Santo Domingo de los Colorados.

SANTO DOMINGO DE LOS COLORADOS; Pichincha 0015S/7909 (USBGN)

500 m, on the lower western slopes, western Pichincha, 70 km WSW of Quito [0013S/7830 (USBGN)], a short distance W of lower Río Toachi [0008N/7918 (USBGN)] (Mapa, 1957); at end of 19th century consisted of three huts in humid tropical forest (Goodfellow, 1901:306, as "Santo Domingo"); now a town with all surrounding region cleared for agriculture (Lévêque, 1964:52); Rivet, between ca. 1898-1906 (Simon, 1907:16; Menegaux, 1911:3ff); Goodfellow and Hamilton, at 600 ft ? [175 m], Oct. 1898 (Goodfellow, 1901:309); Söderström Coll., date? (Lönnberg & Rendahl, 1922:13ff); Hammond and Rosenberg Coll., June-July 1914 (MCZ; USNM, as "Santo Domingo"); Mena, 3, 8-9, 15 June 1929 (CM); Olallas, 7 June 1929 (CM); Olallas, June 1919, May 1937 (FMNH); Ruschi, 17 Sept. 1958 (Ruschi, 1961, Bol. Mus. Biol. Prof. Mello-Leitão, Biol., no. 28, p. 3); Olalla, July 1943 (FMNH); Lévêque, 16 Oct. 1960, 29-30 Dec. 1961 (Lévêque, 1964:61); Durán, 4 Nov. 1972, Aug. 1974, and Ayala, at Km 4 on road to Esmeraldas [0059N/7942 (USBGN)], 19 Oct. 1971 (Orces, 1974:9, 10); Arvey, 15 km E, 4-8, 20-24 Jan. 1972, Kull, same locality, 4, 6, 8 Jan. 1972 (LACMNH, as "Santo Domingo"); Kiff, et al., 3 km E, 13 Mar. 1991 (WFVZ); Menegaux, 1908:92, as "San Domingo"; also see Congomita.

SAN VICENTE; Carchi (Simon, 1907:17); see Hacienda San Vicente.

SAN VICENTE; Manabí 0035S/8024 (USBGN)

Sea level, village in center of Manabí coast at mouth on north side of

Río Chone [0035S/8025 (USBGN)], Bahía de Caráquez [0033S/8030 (USBGN)] (Mapa, 1974); Fuentes, 7 Sept. 1965 (Fuentes, 1966?:10).

SAN VICENTE; Pichincha Not located
Alt.?; Olallas, June 1931 (FMNH).

SAPATILLO (Chubb, 1919:3); see Sabanillas.

SAPAYO, RÍO (Chapman, 1926a:718); see Zapallo Grande, Río.

SAPAYO GRANDE (MHA); see Zapallo Grande.

SAPAYO GRANDE, RÍO (MHA); see Zapallo Grande, Río.

SARAGURO; Loja 0336S/7913 (USBGN)
2,512 m, northern Loja, 38 km N of city of Loja [0400S/7913 (USBGN)] (MHA, as "Zaraguro"; Mapa, 1957); Buckley, 1880 (USNM).

SARA-YACO (Hellmayr, 1942:37); see Sarayacu.

SARAYACU; Pastaza 0144S/7729 (USBGN)
700 m, in humid tropics (Brown, 1941, Ann. Entom. Soc. Amer., **34**:846); on middle Río Bobonaza [0236S/7638 (USBGN)], 60 km SE of Puyo [0128S/7759 (USBGN)] (Mapa, 1974); Buckley, ca. 10,000 specimens from here, ca. 1876-1880 (Sclater & Salvin, 1880:155); Brown (1941, Ann. Entom. Soc. Amer., **34**:846), presumably referring to insects but doubtless applicable to birds, cautions that all of Buckley's material was not collected in immediate vicinity and some may have come from as far W as the Andean foothills; Olallas, May-July, Nov.-Dec. 1930, Mar.-Apr., Dec. 1931, 20 Feb.-Mar. 1932 (FMNH; Berlioz, 1932a:235ff; CM); Loch, ca. 1935-1937 (FMNH); Mena, 23-24 Sept. 1937 (LACMNH); Olalla, Nov. 1962 (MCZ); Zoila Coll., Jan. 1964 (Norton, et al., 1972:890); Olalla, 18 Apr. 1964, Dec. 1972 (Orces, 1974:9-10); Hellmayr & Conover, 1942, Field Mus. Nat. Hist. Publ., Zool. Ser., **13**, pt. 1, no. 1, p. 37, as "Sara-Yaco, Río Bobonaza"; to be distinguished from Sarayacu [0644S/7515 (USBGN)], Peru, another important collecting station (see Jenkinson & Tuttle, 1976).

SARDINAS, RÍO; Napo ca. 0023S/7748 (USBGN)
A small tributary of upper Río Quijos [0014S/7743 (USBGN)], a short distance N of Baeza [0027S/7753 (USBGN)], entering the

Quijos on left bank, 8 km downstream from Río Borja [0025S/7750 (USBGN)] (Mapa, 1974); Olallas, 23-31 July 1923 (Chapman, 1926a:21).

SATZA YACU (Mapa, 1957); see Zatzayacu.

SAUCILLO; Loja 0415S/8012 (USBGN)
Alt.?; in southwestern Loja, in valley of Río Alamor [0430S/8025 (USBGN)], SW of Sabanilla [Sabanillas, 0410S/8008 (USBGN)]; not on our maps; 16 km SW of Sabanilla [Sabanillas], Corado, et al., 20, 22, 25, 28 Mar. 1991 (WFVZ).

SAYÁ, CERROS DE; Guayas 0210S/8040 (USBGN)
ca. 500 m, first range of hills in from the coast, ca. 35 km E of Santa Elena [0214S/8051 (USBGN)] and parallel to Cordillera de Colonche [Cerros de Colonche, 0200S/8020 (USBGN)] farther inland, on Península de Santa Elena [0215S/8050 (USBGN)] (MHA, as "Cerros de Sayú"); Marchant's colleague, 10 May year? (Marchant, 1960:354, as "Sayá Hills").

SAYÁ HILLS (Marchant, 1960:354); see Sayá, Cerros de.

SAYÚ, CERROS DE (MHA); see Sayá, Cerros de.

SECAS; Pichincha 0027S/7820 (USBGN)
Alt.?; in eastern cordillera in southeastern corner of province, W of Antisana [0030S/7808 (USBGN)]; not shown on the maps available to us; Olallas, Mar. 1929 (FMNH); although there is only one locality of this name in USBGN, there is no evidence that this is the Secas visited by the Olallas; its remoteness suggests that it may not be.

SEPAYO, RÍO (Hartert, 1902:616); see Zapallo Grande, Río.

SEYMOUR, ISLA; Galápagos 0024S/9017 (USBGN)
Also = North Seymour Island.

SHAIME; Zamora-Chinchipe Not located
Alt.?; on upper Río Nangaritza [0345S/7838 (USBGN)], 43 km SE of Zamora [0404S/7858 (USBGN)], Marin, et al., 23-31 July, 1-4, 6 Aug. 1990 (WFVZ).

SHELL MERA; Pastaza 0130S/7803 (USBGN)
ca. 1,100 m, on Río Pastaza [0455S/7624 (USBGN)] a short distance

below Mera [0128S/7808 (USBGN)], 6 km W of Puyo [0128S/7759 (USBGN)] and 46 km ESE of Baños [0124S/7824 (USBGN)] (Mapa, 1950; Mapa, 1957; Mapa, 1974); Andi, 10 Sept. 1965 (WFVZ).

SHICAL (Menegaux, 1908:98); see Sical.

SHUBOL; Chimborazo ca. 0128S/7848 (FMNH)
Alt.?; very near town of Chimborazo [0128S/7848 (USBGN)] at southeastern base of the peak of Chimborazo [0128S/7848 (USBGN)]; does not appear on our maps; Olallas, Apr. 1930 (FMNH); probably a misspelling.

SHUBOL, RÍO Not located
Collector?, date? (Hellmayr & Conover, 1948, Field Mus. Nat. Hist. Publ., Zool. Ser., **13**, pt. 1, no. 2); presumably near Shubol [ca. 0128S/7848 (FMNH)], Chimborazo.

SIBAMBE, MOLINO DE; Chimborazo ca. ? 0212S/7855
4,000-5,000 ft [1,200-1,500 m], Söderström Coll., date? (Lönnberg & Rendahl, 1922:53); presumably on the western slope near Siambe [0212S/7855 (USBGN)], Chimborazo, on railway 7 km SW of Alausí [0212S/7850 (USBGN)].

SICAL Not located
3,037 m (Menegaux, 1908:98, as "Shical"); Buckley, 1876 (Sclater & Salvin, 1877, Proc. Zool. Soc. London, 1877:19; USNM); presence of *Iridosornis rufivertex ignicapillus* is indicative of a high altitude in western Ecuador; probably a misspelling of Sicalpa [=Cajabamba, 0142S/7845 (USBGN)], Chimborazo, as Buckley is known to have been at Laguna de Colta [0144S/7845 (USBGN)], 5 km from Sicalpa; there is a Río Shical [0223S/7901 (USBGN)], but this seems low and an unlikely Buckley locality.

SIGLON; Pichincha Not located
Alt.?; near Nanegal [0007N/7846 (USBGN)], on western slope, Rivet, between ca. 1899-1906 (Menegaux, 1911:98, as "Siglon, Nanegal").

SÍGSIG; Azuay 0301S/7845 (USBGN)
ca. 3,000 m, on Río Santa Bárbara [0259S/7847 (USBGN)], in inter-Andean valley near eastern Andes, 15 km S of Gualaceo [0254S/7847 (USBGN)] (Mapa, 1974); Baron, nearby and higher, May-June year?

(Hartert & Hartert, 1894:46); Festa, Oct., Nov. 1895, 27 July 1896 (Salvadori & Festa, 1899a:4; 1900:52; Chapman, 1926a:731).

SIGSIQUINGRE; Cotopaxi Not located
3,800 m, 24 km [by road?] W of Latacunga [0056S/7837 (USBGN)], Corado and Marin, nearby, 21 Aug. 1990 (WFVZ; Marin, in litt.).

SIGUIN, LAGUNA DE Not located
On right bank of Río Pastaza [0455S/7624 (USBGN)], Mission Flornoy, between July-Oct. 1936 (Berlioz, 1937c:354); probably the same as Lago Ciguin of de Schauensee (1953:33), source of *Heterocercus aurantiivertix*, a form of Amazonia Ecuador; Mapa, 1950, and no other source, shows a range of hills as "El Siguin," ca. 25 km SE of Puyo [0128S/7759 (USBGN)], on the right bank of the Pastaza; presumably Laguna de Siguin is near here.

SILANTI (Lönnberg & Rendahl, 1922:82); see Silanti, Río.

SILANTI, RÍO; Pichincha 0026S/7846 (USBGN)
Small river in south-central Pichincha, a headwater of Río Pilatón [0019S/7857 (USBGN)], rising on the northwestern flank of Corazón [0032S/7839 (USBGN)] (MHA); Söderström Coll., date? (Lönnberg & Rendahl, 1922:82, as "Silanti").

SILVA, ISLA; Guayas 0157S/7944 (USBGN)
Alt.?; on Río Babahoyo [0210S/7952 (USBGN)], arid tropics (Berlioz, 1932a:228-229, as "Isla Silva, Los Ríos"); does not appear on the maps available to us, but bears the same coordinates as Samborondón [0157S/7944 (USBGN)], Guayas; Olallas, 3 Aug., 26 Sept.-Oct., 7 Nov. 1931 (Stresemann, 1938:117; Berlioz, 1932a:228; FMNH; LACMNH; CM; USNM); Hellmayr, 1937, Field Mus. Nat. Hist. Publ., Zool. Ser., **13**, pt. 10, p. 28, as "La Silva."

SILVA, ISLA; Los Ríos (Berlioz, 1932a:228); see Silva, Isla; Guayas.

SILVÁN, CERRO (Orces, 1944:117); see Alpachaca, Cordillera de.

SINCHE (Chubb, 1919:2); see Sinchig.

SINCHIC (Chapman, 1926a:720); see Sinchig.

SINCHIG; Bolívar 0132S/7859 (USBGN)
ca. 3,000-3,500 m, central Bolívar, on middle Río de Salinas

[0138S/7900 (USBGN)], 10 km N of Guaranda [0136S/7900 (USBGN)] (MHA, as "Sinchic"; Mapa, 1957); pampas and bunch grass, patches of low temperate forest (Chapman, 1926a:720, as "Sinchic"); Simons, 12-25 Dec. 1898 (Chubb, 1919:2, as "Sinche").

SINCHOLAGUA; Pichincha 0032S/7823 (USBGN)
4,893 m, mountain in eastern Andes, far southeastern Pichincha (MHA; Mapa, 1974); Söderström Coll., on northern slope at 13,500 ft [4,100 m], date? (Lönnberg & Rendahl, 1922:41).

SINGUÑA (Lönnberg & Rendahl, 1922:14); see Singuna, Quebrada.

SINGUNA, QUEBRADA; Pichincha 0006S/7830 (USBGN)
10,000-11,000 ft [3,050-3,350 m], on northern slope of Pichincha [0010S/7833 (USBGN)], Söderström Coll., date? (Lönnberg & Rendahl, 1922:14, as "Singuña"); does not appear on our maps; uncertain whether collection made at Quebrada Singuna or closeby Hacienda Singuna [0007S/7831 (USBGN)].

SIN NOMBRE, ISLA; Galápagos 0040S/9036 (USBGN)
Also = Nameless Island.

SIPUTINI, RÍO (Hellmayr, 1936:138); see Tiputini, Río.

SOLEDAD (MHA); see Isidro Ayora.

SOUTHERN RIDGE (Robbins, et al., 1987:245); see Camp 2

SOUTH SEYMOUR ISLAND; Galápagos 0026S/9016 (USBGN)
Also = Isla Baltra.

SOZORANGA (Krabbe, 1992b:171); see Zozoranga.

STAGNI
Chapman (1926a:210) misinterpreted Salvadori & Festa's phrase (1900:50) "Stagni presso Cañar" to mean "town of Stagni, near Cañar," but it is Italian for "marshes near Cañar."

SUMACO ABAJO (Chapman, 1926a:720); see Sumaco, Volcán.

SUMACO ARRIBA (Chapman, 1926s:720); see Sumaco, Volcán.

SUMACO, LOWER (Chapman, 1926a:720); see Sumaco, Volcán.

SUMACO, UPPER (Chapman, 1926a:720); see Sumaco, Volcán.

SUMACO, VOLCÁN; Napo 0034S/7738 (USBGN)
3,807 m (MHA); 3,900 m, somewhat isolated to E of main range of the Andes (Mapa, 1974); forests nearly to the summit (Chapman, 1926a:720); Olallas, at Lower [Abajo] Sumaco, alt.?, subtropical, 1-27 Dec. 1923, 20-30 Jan., 7, 29 Mar. 1924, and at Upper [Arriba] Sumaco, alt.?, humid temperate, 1-18 Feb., 24 May-15 June 1924 (Chapman, 1926a:21, 720); Olalla, at "Sumaco, Río Napo," Oct. 1945 (FMNH); Norton, on southern side, on lower Río Pucuno [0048S/7716 (USBGN)], at 0046S/7728 and 500 m, 19-31 Aug. and on upper Río Pucuno, at 0036S/7735 and 1,200 m, 11-16 Aug. 1963 (Norton, 1965:2-3); Norton and Chandler, at Guaticocha [0045S/7724 (USBGN)] on southeastern slope, 16-24 Aug. 1964, at head of Río Guataraco [Río Guataracu, 0046S/7715 (USBGN)] at 0040S/7735 and 1,350 m, on southeastern slope, 25 July-5 Aug. 1964, and at Palm Peak [ca. 0039S/7736 (Norton, 1965:3)] at 1,500 m, on rim of altoplano on southeastern slope, 6-14 Aug. 1964 (Norton, 1965:2-3); Whitney, on eastern slopes, from 400-1,750 m, Jan. 1991 (Whitney, 1992:303).

SUNO (Mapa, 1974); see Boca Suno.

SUNO, MONTES DEL; Napo Not located
Alt.?; Olallas, Jan. 1931 (FMNH, as "Montes del Suno, Loreto"); probably hills or forest associated with Río Suno [0042S/7708 (USBGN)] and near village of Loreto [0038S/7719 (USBGN)], where the Olallas are known to have been at other times.

SUNO, RÍO; Napo 0042S/7708 (USBGN)
Small tributary of upper Río Napo [0320S/7240 (USBGN)], rising W of Volcán Sumaco [0034S/7738 (USBGN)] and flowing around northern side and then ca. 60 km E to meet the Napo (MHA); Goodfellow and Hamilton, at Boca Suno [0043S/7708 (USBGN)], first half of May 1899 (Goodfellow, 1901:309, as "Suno, Upper Rio Napo"); Olallas, on river above Avila [0038S/7725 (USBGN)], 1 Feb.-30 Apr. 1923, on river [where?], 3 Mar.-16 Apr. 1924 (Chapman, 1926a:21, 718; USNM), and below Loreto [0038S/7719 (USBGN)], 13, 16 Feb. 1929 (CM); Spillmann 1, 4, 16 Jan. 1931 (Stresemann, 1938:116-117); Olallas, where? [Boca Suno?], Jan. 1931, Gómez, where?, Jan. 1939, Olalla, at Boca Suno, Apr. 1942 and where?, at 500 m, May 1945 (FMNH); Gómez, where?, 17 Jan. 1941 (USNM); Schade, at mouth, 2 May 1945 (LACMNH).

SURUPABA (Chapman, 1926a:396); see Surupata.

SURUPATA; Chimborazo Not located
3,700 ft [1,125 m], farm near Cayandeled [ca. 0207S/7859 (Chapman, 1926a:map)] on western slopes, Stolzmann, 14 Jan.-28 Feb 1883 (Berlepsch & Taczanowski, 1884:282ff); Chapman, 1926a:396, as "Surupaba."

SUSENSA Not located
Alt.?; "Oriente," Cutsaseme [not located], Gómez, 23 Nov. 1938 (USNM).

SUYANO (Goodfellow, 1901:711); see Suyuno, Río.

SUYUNO, RÍO; Napo ca. 0034S/7706 (MHA)
Small, left-bank tributary of upper Río Napo [0320S/7240 (USBGN)], with its mouth 15 km above mouth of Río Coca [0029S/7658 (USBGN)] and about same distance downstream from mouth of Río Suno [0042S/7708 (USBGN)] (MHA; Mapa, 1975, as "Suyunoyacu"); Goodfellow and Hamilton, at "upper reaches of the Suyano, Río Napo," 1899 (Goodfellow, 1901:711).

SUYUNOYACU (Mapa, 1974); see Suyuno, Río.

TABLAHUAS; Pichincha Not located
Alt.?; 8 km WNW of Quito [0013S/7830 (USBGN)], Beals, nearby, 8 June 1989 (WFVZ); almost certainly a misspelling of Tablahuasi.

TABLAHUASI Not located
12,000 ft [3,650 m], collector?, date? (Chapman, 1926a:427); source of *Schizoeaca fuliginosa*, a form of the northwestern páramo; 8 km WNW of Quito [0013S/7830 (USBGN)], Corado, 15 July 1990, Marin, 7 Dec. 1991 (WFVZ); also see Tablahuas.

TABLÓN; Napo 0022S/7815 (USBGN)
11,500-13,000 ft [3,500-3,950 m] (Lönnberg & Rendahl, 1922:18); high on eastern slope, 18 km NW of Papallacta [0022S/7808 (USBGN)] (MHA); Söderström Coll., date? (Lönnberg & Rendahl, 1922:18); Oberholser, 1902:320, as "Japlon."

TABUGA; Manabí ca. 0004S/8008 (Mapa, 1974)
Sea level, on coast of northern Manabí, 16 km below Punta Pedernales [0005N/8007 (USBGN)] (Mapa, 1974); Conservation International group, at site within moist, semideciduous forest between Tabuga and Río Cuaque [Río Coaque, 0001N/8006 (USBGN)], at ca. 60-320 m, 19 July 1991 (Parker & Carr, 1992:14, 32-34, 67).

TAGUAQUIRI; Pichincha Not located
Alt.?; in Cordillera Occidental, Olallas, Feb., June 1929 (FMNH); apparently the same as Tahuaguiri [not located], which see.

TAGUARCOCHA (Cory & Hellmayr, 1927:9); see Yaguarcocha.

TAHUAGUIRI; Pichincha Not located
Alt.?; Olallas, 7-8, 11 Mar. 1928, 22 Apr. 1929 (CM), 10, 26 June 1929 (Moore Coll., as "Tahuaguiri, Occidente"); apparently the same as Taguaquiri [not located], which see; presence of *Atlapetes brunneinucha* indicative of moderate altitude.

TAISHA; Morona-Santiago 0223S/7730 (USBGN)
510 m, in eastern lowlands, 70 km ESE of Macas [0219S/7807 (USBGN)] (Mapa, 1957); collector?, 14 Aug. 1990 (Robbins & Ridgely, 1992:985).

TALAHUA; Azuay (Chubb, 1919:3); see Hacienda Talahua; Bolívar.

TALMIAGIURI Not located
Alt.?; Olalla, 16 June 1931 (Stresemann, 1938:117, as "Talmiagiuri (Occid.)"); *Heliodoxa imperatrix* from here is indicative of the northwestern slope.

TAMBILLO; Pichincha 0025S/7832 (Brown, 1941:848)
2,785 m, on Guayaquil [1210S/7950 (USBGN)]/Quito [0013S/7830 (USBGN)] railroad, 20 km S of Quito (MHA; Mapa, 1957); mean temperature 13.8° C (Brown, 1941, Ann. Entom. Soc. Amer., **34**:848); Goodfellow and Hamilton, 1899? (Oberholser, 1902:320, as "Jambillo" but assumed by Chapman, 1926a:300, to have meant

"Tambillo"); there are several localities bearing the name Tambillo, but this is the one most likely to have been visited.

TAMBILLO, RÍO; Pichincha 0018N/7859 (USBGN)
Tributary of Río Guaillabamba [0028N/7925 (USBGN)], but no agreement as to exact position, with Mapa, 1950 placing at ca. 0020N/7903, Mapa, 1957 at ca. 0018N/7857, MHA at ca. 0018N/7902, and Mapa, 1974 at ca. 0011N/7855 with mouth on Río Pachijal a short distance before it joins Río Guaillabamba; Río Pachijal is shown only on Mapa 1974 and is considered to be the same as Río Tambillo by USBGN; Rivet, between ca. 1899-1906 (Menegaux & Hellmayr, 1906, Mem. Soc. Hist. Nat. Autun., **19**:57; Menegaux, 1911:4, as "Pachijal, road to Esmeraldas"); Söderström Coll., ca. 1920 (FMNH); "native coll.," ca. 1920 (FMNH, as "Río Pachijal"); Chapman, 1926a:331, as "Pachigal"; see, also, Pechahal.

TAMBO (MHA); see El Tambo.

TAMBO DE YERBA BUENA (Salvadori & Festa, 1900:17); see Yerbabuena.

TAMBO DI QUINOAS (Salvadori & Festa, 1899a:26); see Quinoas.

TAMIA URCO Not located
Alt.?; "Oriente," Olallas, Sept. 1929 (FMNH); presence of *Aburria aburri* is indicative of lower slopes.

TANARAGUA (Chapman, 1926a:319); see Tungurahua, Volcán.

TANA URCU (FMNH); see Yanaurco, Cerro.

TANDA (WFVZ); see Hacienda Tanda.

TANDAPI (USBGN); see Manuel Cornejo Astorga.

TANDAPI, RÍO; Pichincha 0025S/7847 (USBGN)
Affluent of Río Pilatón [0019S/7857 (USBGN)], on trail from Quito [0013S/7830 (USBGN)] to Santo Domingo de los Colorados [0015S/7909 (USBGN)] (Mapa, 1950); Rivet, where?, between ca. 1899-1906 (Menegaux, 1911:107); Hammond, where?, date? (FMNH); village at mouth is Manuel Cornejo Astorga [*olim* Tandapi, 0025S/7848 (USBGN)], which see, where collections were probably made.

TANDAYAPA; Pichincha 0001S/7846 (USBGN)
ca. 2,500 m, on western slope, 30 km NW of Quito [0013S/7830 (USBGN)], 12 km ENE of Mindo [0002S/7848 (USBGN)] (Mapa, 1957, as "Tandayapi"); Olallas, 13 June 1931 (CM); Olalla, July 1968 (MCZ, as "Cordillera Tandayapa"); Zusi, 6 Nov. 1976 (USNM); Ridgely, et al., on ridge above Tandayapa at 1,700-1,900 m, 6, 17 Feb. 1980 (Ridgely, 1980:244, 247); Schulenberg, 2.5 km SW, 2 Aug. 1985 (USNM); Marin and Corado, ca. 30 km NW of Quito on Tandayapa/Santa Rosa [not located] road, 24, 29 Aug. 1990 (WFVZ, as "Tandayapo").

TANDAYAPA, CORDILLERA (MCZ); see Tandayapa.

TANDAYAPI (Mapa, 1957); see Tandayapa.

TANDAYAPO (WFVZ): see Tandayapa.

TANDIPI Not located
Alt.?; collector?, date? (Hellmayr & Conover, 1942, Field Mus. Nat. Hist. Publ., Zool. Ser., **13**, pt. 1, no. 1, p. 187); presence of *Chamaepetes goudotii fagani* is indicative of subtropical western Ecuador; probably this is Tandapi [Manuel Cornejo Astorga, 0025S/7848 (USBGN)], Pichincha.

TANGONA; Loja Not located
5,500 ft [1,700 m], Gómez, Aug. 1939 (FMNH); probably in vicinity of Nudo de Cajanuma [0405S/7912 (USBGN)] where Gómez also was in Aug. 1939.

TANLAGUA; Pichincha ca. 0005N/7826 (MHA)
1,565 m, in central highland S of Río Guaillabamba [0028N/7925 (USBGN)], 4 km SSW of Perucho [0007N/7825 (USBGN)] and 17 km NE of Nono [0004S/7835 (USBGN)] (Atlas Geog.; MHA); Olalla, Jan. 1934 (FMNH).

TANLAGUA, CERRO; Pichincha Not located
Alt.?; Olallas, Feb. 1935 (FMNH); doubtless in vicinity of Tanlagua [ca. 0005N/7826 (MHA)].

TANLAHUAS (WFVZ); see Tanlahuila.

TANLAHUILA; Pichincha Not located
Alt.?; 20 km N of Quito [0013S/7830 (USBGN)], Holmgren, et al., at

2,700 m, 6 July, 12, 16 Aug. 1989, 11 July, 11 Aug. 1990 (WFVZ, also as "Tanlahuas"; Marin, in litt.).

TANTI; Pichincha 0018S/7903 (USBGN)
600 m, at junction of Río Tanti [0017S/7904 (USBGN)] and Río Toachi [0039S/7911 (USBGN)] on trail from highlands to Santo Domino de las Colorados [0015S/7909 (USBGN)], humid Pacific vegetation (Brown, 1941, Ann. Entom. Soc. Amer., **34**:848); Rivet, between ca. 1899-1906 (Menegaux, 1911:19); also see Fanti.

TAPAYO, RÍO Not located
Northern Ecuador, Mocquerys, for Rosenberg Coll., at 450 ft [137 m], Apr., Dec. 1901 (FMNH); probably a misspelling for Río Sapayo [Río Zapallo Grande, 0044N/7856 (USBGN)], Esmeraldas, which see; also see Tepayo, Río.

TAPERO, RÍO Not located
Alt.?; collector?, date? (Cory, 1918, Field Mus. Nat. Hist. Publ., Zool. Ser., **13**, pt. 2, no. 1, p. 180); the presence of *Amazilia rosenbergi* is indicative of the lowlands of the northwest; this may be an error for Río Tapayo [not located] which itself may be a misspelling of Río Sapayo [Río Zapallo Grande, 0044N/7856 (USBGN)], Esmeraldas.

TAPO, RÍO; Azuay (Chubb, 1919:3); see Topo, Río; Tungurahua.

TARAGUACOCHA; El Oro ca. 0340S/7940 (Chapman, 1926a:map)
9,750 ft [2,950 m], small clearing on Salvias [0347S/7931 (USBGN)] to Saraguro [0336S/7913 (USBGN)] trail, in Cordillera de Chilla [0332S/7937 (USBGN)], humid temperate, Cherrie, collecting up to páramo at 12,000 ft [3,650 m], 15-16 Aug. 1920 (Chapman, 1926a:20, 720); apparently not Hacienda Targuarcocha [0347S/7949 (USBGN)].

TARASAMA; Guayaquil Not located
Alt.?; near Guayaquil [0210S/7950 (USBGN)], Mena, 2 May, 2, 9, 12, 22-23 Nov. 1929 (LACMNH, as "Tarasana"; CM, as "Tarasana"); Olallas, Nov. 1929 (FMNH); probably near Chongón [0214S/8004 (USBGN)], where Olallas are known to have been in Nov. 1929; Hellmayr & Conover, 1942, Field Mus. Nat. Hist. Publ., Zool. Ser., **13**, pt. 1, no. 1, p. 536, as "Tarasana"; Ortiz-Crespo (in litt.) says this is a misspelling of Atarazana, which is now within city of Guayaquil.

TARASANA (Hellmayr & Conover, 1942:536); see Tarasama.

TARDAS PIEBINIBA Not located
Alt.?; Olallas, Jan. 1935 (FMNH); undoubtedly badly misspelled; the second word may be a misreading of *Pichincha*; as Olalla is known to have been at Guaillabamba [0004S/7821 (USBGN)], Pichincha, in Jan. 1935; perhaps this site is nearby.

TARQUI; Azuay 0301S/7902 (USBGN)
2,630 m (Mapa, 1957); 15 km SSW of Cuenca [0253S/7859 (USBGN)] (Mapa, 1974); on Río Tarqui [0255S/7858 (USBGN)], arid grassland (Brown, 1941, Ann. Entom. Soc. Amer., **34**:848); Festa, Sept. 1896 (Salvadori & Festa, 1900:28, as "altipiano di Tarqui"; Chapman, 1926a:731).

TARQUÍ, PORTETE DE (de Schauensee, 1951:2); see Portete.

TAYUNTZA; Morona-Santiago 0243S/7752 (Kiff, et al., 1989:25)
600 m, on eastern side of Cordillera Cutucú Oriental [0240S/7751 (USBGN)], 54 km [by road?] SE of Macas [0219S/7807 (USBGN)], primary wet forest, Marin, Sibley, and Mora, 29 July-23, 29[?] Aug. 1987 (Kiff, et al., 1989:25; WFVZ); not shown on our maps.

TAYUZA; Morona-Santiago ca. 0227S/7813 (Robbins, in litt.)
Alt.?; in valley of Río Upano [0245S/7812 (USBGN)], NE of Méndez [0243S/7819 (USBGN)] and SSE of Logroño [ca. 0237S/7812 (Mapa, 1974)] (Robbins, in litt.); not indicated on our maps; Robbins and Schulenberg, 9 June 1984 (USNM).

TELEMBÍ; Esmeraldas 0048S/7856 (USBGN)
ca. 100 m (MHA); on Río Cayapas [0113N/7903 (USBGN)] in interior of coastal plain, northern Esmeraldas (Mapa, 1957); collector?, Oct. 1901 (FMNH).

TEMBLEQUE, ISLA; El Oro 0325S/8014 (USBGN)
Sea level, one of a group of islands on southern coast of Canal de Jambelí [0300S/8000 (USBGN)], almost on the Peruvian border (Mapa, 1950); low trees on the small area above water, mangroves on E, mudflats on W, Chapman, et al., 18 July 1922 (Chapman, 1926a:21, 720); village of Jambelí [0324S/8015 (USBGN)] is on this island, *not* on Isla Jambelí [0320S/8004 (USBGN)].

TENA; Napo 0059S/7749 (USBGN)
518 m, sizable town in eastern foothills, at mouth of Río Tena [0059S/7749 (USBGN)], 4 km N of Río Napo [0320S/7240 (USBGN)] (MHA); Curry, Sept. 1960 (Lévêque, 1964:58); Kiff, et al., 17-19 Oct. 1987, Moore and Sibley, 7-8 Nov. 1988 (WFVZ); Fraga, 4.5 km S of Río Napo, on Tena/Puyo [0128S/7759 (USBGN)] road, 6 Jan. 1990 (Fraga, 1992).

TENGUEL; Guayas 0300S/7946 (USBGN)
ca. sea level, in southernmost Guayas on coastal plain 8 km inland (MHA); McLean, nearby, 16 July, 24 Sept. 1974 (USNM); also see Huerta Negra.

TEPAYO, RÍO Not located
Collector?, 11 Dec. 1901 (USNM); probably a misspelling for Río Sapayo [Río Zapallo Grande, 0044N/7856 (USBGN)], Esmeraldas, which see; also see Tapayo, Río.

THUILA Not located
Alt.?; in Cordillera Oriental, "Canchacoto [? Canzacoto, 0026S/7848 (USBGN)] Cordillera," Gómez, May 1938 (MCZ); doubtless misspelled; possibly this is Huila [0003N/7853 (USBGN)] on the western slope of northern Pichincha, near Mindo [0002S/7848 (USBGN)]; presence of *Heliodoxa rubinoides cervinigularis* is indicative of the subtropical zone.

TIBURÓN, ISLA; Galápagos (1) ca. 0058S/9057 (Mapa, 1957)
Islet on southern shore of Isla Isabela [0030S/9106 (USBGN)]; not listed in USBGN.

TIBURÓN, ISLA; Galápagos (2) 0025S/9037 (USBGN)
Also = Beagle Island.

TICHINEHA Not located
11,000 ft [3,350 m], above Quito [0013S/7830 (USBGN)], Palmer, July 1900, Rosenberg Coll., Oct. 1910 (FMNH); almost certainly this is an error for Pichincha [0010S/7833 (USBGN)].

TICKSAN, LAGUNA DE (Berlepsch & Taczanowski, 1884:283); see Tixán, Laguna de.

TICSAN (Berlepsch & Taczanowski, 1884:287); see Tixán.

TINALANDIA; Pichincha ca. 0018S/7900
900 m (Ridgely, 1980:246); 500-1,000 m, premontane and subtropical forest (Ortiz-Crespo & Carrión, 1991:30); hacienda [and hotel] 12 mi [20 km] short [E] of Santo Domingo de los Colorados [0015S/7909 (USBGN)] on Río Toachi [0008N/7918 (USBGN)], Curry, 22 Aug.-1 Sept. 1960 (Lévêque, 1964:61, as "Tunalandia"); Greenfield, 17 Aug. 1978, 9 Feb. 1979, Ridgely and Finch, 1 Feb. 1980 (Ridgely, 1980:246); van den Berg and Bosman, 28 Feb., 5 Mar. 1981 (van den Berg & Bosman, 1984:152); Zusi, 25 Oct., 8-9 Nov. 1976 (USNM); not shown on our maps.

TINTO Not located
Alt.?; collector?, 18 May 1914 (MCZ); presence of *Myioborus miniatus* is indicative of middle altitude.

TIO YACO Not located
Alt.?; "Oriente," Olallas, Jan. 1930 (FMNH).

TIPUTINI; Napo 0045S/7532 (USBGN)
220 m, in eastern Napo, on left bank of upper Río Napo [0302S/7240 (USBGN)], a short distance above mouth of Río Tiputini [0047S/7532 (USBGN)] (Mapa, 1957); Ridgely, 27 Sept. 1976 (Ridgely, 1980:243).

TIPUTINI, RÍO; Napo 0047S/7532 (USBGN)
Right-bank tributary of Río Napo [0302S/7240 (USBGN)], rising in foothills E of Tena [0059S/7749 (USBGN)] and entering the Napo near the eastern frontier (Mapa, 1974); Goodfellow and Hamilton, at mouth, first half of 1899 (Goodfellow, 1901:309); Hellmayr, 1936, Field Mus. Nat. Hist. Publ., Zool. Ser., **13**, pt. 9, p. 138, as "Río Siputini"; Zimmer, 1943, Amer. Mus. Novit., no 1246, p. 5, as "Jiputini."

TITAICUN (Sclater, 1859c:549); see Hacienda Titaicún.

TIXÁN; Chimborazo 0208S/7848 (USBGN)
2,922 m (Mapa, 1957); 7,000-9,000 ft [2,150-2,750 m] (Berlepsch & Taczanowski, 1884:287, as "Ticsan"); on railway and road between Palmira [0205S/7843 (USBGN)] and Alausí [0212S/7850 (USBGN)] in central tableland (MHA); Stolzmann and Siemiradski, May-June 1883? (Berlepsch & Taczanowski, 1884:287); Menegaux, 1908:98, as "Tixay."

TIXÁN, LAGUNA DE; Chimborazo Not located
9,000 ft [2,750 m], small lake near [NE of] Alausí [0212S/7850 (USBGN)], Stolzmann and Siemiradski, date? [May-June 1883?] (Berlepsch & Taczanowski, 1884:283, as "Laguna de Ticksan"); although not found on our maps or in USBGN, must be near Tixán [0208S/2848 (USBGN)].

TIXAY (Menegaux, 1908:98); see Tixán.

TOACHI, RÍO; Pichincha 0008N/7918 (USBGN)
A major tributary of Río Blanco [0028N/7925 (USBGN)] rising deep in the Andes N of Quilotoa [0052S/7855 (USBGN)] and flowing N and then NW to meet the Blanco on the eastern edge of the coastal plain (Mapa, 1957); Curry, at Tinalandia [ca. 0018S/7900], 22 Aug.-1 Sept. 1960 (Lévêque, 1964:61, as "Tunalandia"); Loch, on Río Toachi, but whether this one or the less prominent, more southern, Río Toachi [0039S/7911 (USBGN)] is unknown, ca. 1935-1937 (FMNH).

TOISÁN, CORDILLERA DE; Imbabura 0025N/7847 (USBGN)
ca. 1,500, southwestern projection of the Andes on Imbabura/Esmeraldas border (Mapa, 1957); Krabbe, in extreme western Imbabura at 1,800 m, date? (Krabbe, 1992b:171).

TOLLIN, RÍO (Moore, 1934c:4); see Hollín, Río.

TOLMINAGUIRE Not located
Alt.?; collector?, date? (de Schauensee, 1949, Caldasia, **5**:562); source of *Heliodoxa imperatrix*, known from subtropical northwestern Ecuador.

TOPO; Tungurahua 0125S/7810 (USBGN)
ca. 1,000 m, at mouth of Río Topo [0214S/7812 (USBGN)], where it enters the Río Pastaza [0455S/7624 (USBGN)] on the Tungurahua/Morona-Santiago border (Mapa, 1957); collector?, date? (Cory & Hellmayr, 1924, Field Mus. Nat. Hist. Publ., Zool. Ser., **13**, pt. 3, p. 221, as "El Topo").

TOPO, RÍO; Tungurahua 0124S/7812 (USBGN)
Major affluent of Río Pastaza [0455S/7624 (USBGN)], rising on the slope of Cordillera de los Llanganates [0113S/7815 (USBGN)] and entering on the northern side midway between Baños [0124S/7825 (USBGN)] and Mera [0128S/7808 (USBGN)] (Mapa, 1957);

extremely wet area (Brown, 1941, Ann. Entom. Soc. Amer., 34:848-849); Stolzmann, 31 Jan. 1884 (Taczanowski & Berlepsch, 1885:110); Simons, at Mirador [ca. 0126S/7815 (Brown, 1941, op. cit., p. 836, as "El Mirador,")], 1 Feb. 1890 (Chubb, 1919:3, as "Río Tapo, Azuay").

TORTUGA, ISLA; Galápagos 0101S/9052 (USBGN)
Also = Brattle Island.

TOTORAL, LAGUNA; Pichincha Not located
Alt.?; Olalla, Oct. 1929, Olallas, Feb., Sept. 1929, Aug. 1936, Clarke-Macintyre Coll., Aug. 1936 (FMNH, as "Laguna Totoral, Quito Occidente" or "Totoral, Quito"; probably near Quito [1113S/7830 (USBGN)] in the Cordillera Occidental [1400S/7400 (USBGN)]; probably the same as Laguna Catoral, which see.

TOWER ISLAND; Galápagos 0020N/8958 (USBGN)
Also = Isla Genovesa.

TRIBULPATA; Chimborazo Not located
6,500-7,000 ft [2,000-2,150 m], in forest near Cayandeled [ca. 0207S/7859 (Chapman, 1926a:map)], Stolzmann and Siemiradski, Mar. 1883 (Berlepsch & Taczanowski, 1884:282, 286).

TUCLILLAMA (FMNH); see Tudillama.

TUCUBAMBA (Lönnberg & Rendahl,1922:36); see Hacienda Turubamba Alto.

TUDILLAMA Not located
Alt.?; "Oriente," Olalla, Nov. 1944 (FMNH, writing unclear, possibly is "Tuclillama"); Ortiz-Crespo suggests (in litt.) this is Río Indillama [0027S/7631 (USBGN)], Napo.

TULCÁN; Carchi 0048N/7743 (USBGN)
2,956 m, large town close to Colombian border (Mapa, 1957); semi-arid, mean temperature 12°C (Brown, 1941, Ann. Entom. Soc. Amer., 34:850); Söderström Coll., date? (Lönnberg & Rendahl, 1922:58); Festa, 4-8, 12-27 Jan., 10, 17 Mar. [but apparently only collected in Jan., *fide* Salvadori & Festa, 1900:6] 1897 (Chapman, 1926a:731); Hamilton and Goodfellow, 1898 (Goodfellow, 1901:704, as "Tulcar").

TULCAR (Goodfellow, 1901:704); see Tulcán.

TULIPE; Pichincha 0005N/7847 (USBGN)
Alt.?; on western slope, near Gualea [0007N/7850 (USBGN)] and Nanegal [0007N/7846 (USBGN)]; does not appear on our maps; collector?, date? (Hellmayr & Conover, 1942, Field Mus. Nat. Hist. Publ., Zool. Ser., **13**, pt. 1, no. 1, p. 620).

TUMBACKO (Goodfellow, 1901:704); see Tumbaco.

TUMBACO; Pichincha 0013S/7824 (USBGN)
ca. 2,400 m (Brown, 1941, Ann. Entom. Soc. Amer., **34**:850); on Río San Pedro [0006S/7823 (USBGN)] and railroad, 10 km E of Quito [0013S/7830 (USBGN)] (Mapa, 1957); in extremely arid portion of Chillo Valley [0020S/7827 (Brown, 1941:821)] (Brown, 1941:850); Festa, July 1897 (Salvadori & Festa, 1899a:12ff, as "Tumbacko"); Rivet, between ca. 1898-1906 (Simon, 1907:17; Menegaux, 1911:6ff, as "Vallée de Tumbaco," p. 81); collector?, 10 May 1900 (USNM); Söderström Coll., 7,500-10,000 ft [2,300-3,050 m], from, near, and above Tumbaco, throughout the year [date?] (Lönnberg & Rendahl, 1922:24 ff); Hamilton and Goodfellow, date? (Oberholser, 1902:341, as "Jombaco"); collector?, Feb. 1914 (FMNH, as "Junbaca"); collector?, 9 Nov. 1918 (USNM); Olallas, 10-12 Oct. 1923 (Chapman, 1926a:21); Olallas, 24 Feb. (MCZ), 17 Oct. 1928, 6 Sept. 1932 (CM); Moore, 1929 (Moore, 1934d:98); Spencer, May, Sept., Oct. 1932 (LACMNH, as "Valle Tumbaco"; CM); Henn, date? (CM); Loch, ca. 1935-1937 (FMNH); Clarke-Macintyre Coll., 17 Nov. 1936, 4 Oct. 1937 (MCZ, sometimes as "Tumbaco Valley"); Mena, 5-8 Oct., Olalla, 10 Oct. 1937 (WFVZ, sometimes as "Valle de Tumbaco"; LACMNH); Olalla, 2 Apr. 1963, 25 Feb. 1964 (MCZ, as "Valle Tumbaco"); Greenfield, at ca. 2,100 m, 1989, 1990 (Krabbe, 1992b:173).

TUMBACO, VALLE (MCZ); see Tumbaco.

TUMBACO, VALLE DE (WFVZ); see Tumbaco.

TUMBACO, VALLÉE DE (Menegaux, 1911:81); see Tumbaco.

TUMBACO VALLEY (MCZ); see Tumbaco.

TUMBEZ (Chapman, 1926a:721); in Peru; erroneously attributed to Ecuador.

TUNALANDIA (Lévêque, 1964:61); see Tinalandia.

TUNGARAGUA (Simon, 1907:17); see Tungurahua, Volcán.

TUNGUILLA VALLEY (FMNH); see Yunguilla, Valle de.

TUNGURAHUA (LACMNH); see Tungurahua, Provincia del.

TUNGURAHUA, PROVINCIA DEL 0115S/7835 (USBGN)
Central Ecuador; bounded on E by Napo and Pastaza, on S by Chimborazo, on W by Bolívar, and on N by Cotopaxi; Clarke-Macintyre Coll., near Baños [0124S/7825 (USBGN)], 10 Nov., 14 Dec. 1937, 20 June, 9 July 1938 (LACMNH, as "Tungurahua"); Clarke-Macintyre records may refer to Volcán Tungurahua [0127S/7826 (USBGN)].

TUNGURAHUA, VOLCÁN; Tungurahua 0127S/7826 (USBGN)
5,016 m, in Cordillera Oriental, S of Río Pastaza [0455S/7624 (USBGN)] and Baños [0124S/7825 (USBGN)] (MHA); Rivet, at 4,000 m, ca. 1898-1899 (Simon, 1907:17, as "Tungaragua"); Clarke-Macintyre Coll., variously from, near, and on slopes, Aug., Nov., Dec. 1937, Jan., Nov. 1938 (MCZ); Chapman, 1926a:319, as "Tanaragua"; also see Tungurahua, Provincia del.

TURUBAMBA (Chapman, 1926a:721); see Hacienda Turubamba Alto.

TUSA; Carchi Not located
Alt.?; between Ibarra [0021N/7807 (USBGN)] and Huaca [0038N/7744 (USBGN)], Festa, 3-4 Jan. 1897 (Chapman, 1926a:731); probably an overnight stop; no record of collecting; Ortiz-Crespo (in litt.) says this is an old name for San Gabriel [0036N/7749 (USBGN)], which see.

TUTAPISCO, CERRO Not located
Alt.?; three day's travel E of Quito [0013S/7830 (USBGN)], Olallas, Sept. 1936 (FMNH); specimen of *Aburria aburri* is indicative of lower slopes.

ULBA; Tungurahua 0124S/7822 (USBGN)
ca. 1,800 m, on Río Pastaza [0455S/7624 (USBGN)], 4 km E of Baños [0124S/7825 (USBGN)] (Mapa, 1974); Buckley, autumn 1870 (Gould, 1871a:803, as "Ulva"); Loch, ca. 1935-1937 (FMNH).

ULVA (Gould, 1871a: 803); see Ulba.

U OCCO YACU; Napo ? Not located
Alt.?; Olallas, Dec. 1930 (FMNH); Hellmayr & Conover, 1942, Field Mus. Nat. Hist. Publ., Zool. Ser., **13**, pt. 1, no. 1, p. 37, cite "Ouca Yaco, Loreto [0038S/7719 (USBGN)], Ecuador," which is doubtless the same locality; which spelling is correct is unknown; this may well be the same as Aucayacu [0135S/7537 (USBGN)], Pastaza, which see.

UPANO, RÍO; Morona-Santiago 0245S/7812 (USBGN)
Rises deep in mountains of northwestern Morona-Santiago, NW of Macas [0219S/7807 (USBGN)], flowing E and then S by Macas to join the Río Namangoza [0300S/7813 (USBGN)], a headwater of Río Santiago [0427S/7738 (USBGN)], near Méndez [0243S/7819 (USBGN)] (Mapa, 1957); Chapman (1926a:map) incorrectly indicates Río Upano is a tributary of Río Morona [0445S/7704 (USBGN)]; collector?, date? (de Schauensee, 1946, Notulae Naturae [Philadelphia], no.167, p. 8); Ridgely and Rowlett, in upper valley ca. 25 km NW of Macas at 1,550-1,600 m, 29 July- 2 Aug. 1979, Ridgely and Rowlett, in upper valley [where?], 30 July-1 Aug. 1980 (Ridgely, 1980:244. 246).

UPARUMI; Pichincha Not located
Alt.?; "Occidente," Olallas, 15 Dec. 1927 (CM); Mena, 3 Oct., 2-3, 17 Dec. 1939 (WFVZ; LACMNH).

URABI; Pichincha Not located
ca. 7,000 ft [2,150 m], near San José de Minas [0010N/7825 (USBGN)], SW of Otavalo [0014N/7816 (USBGN)], Söderström Coll., date? (Hartert, 1898:499, as "Urabi, San José de Minas").

URAUCO; Pichincha Not located
Alt.?; Mena, 12 June 1939 (LACMNH); Gómez, 13 Mar. 1939 (USNM); probably is Quebrada Urauco [0015S/7837 (USBGN)] very near Lloa [0015S/7835 (USBGN)], where Gómez is known to have been in 1939.

URBINA; Chimborazo 0130S/7844 (USBGN)
3,650 m (Brown, 1941, Ann. Entom. Soc. Amer., 34:850); on Guayaquil [0210S/7950 (USBGN)]/Quito [0013S/7830 (USBGN)] railroad at eastern base of Chimborazo [0128S/7848 (USBGN)] (Mapa, 1957); páramo, Chapman and Cherrie, 27-30 May 1916 (Chapman, 1926a:19, 721); Gardner, 1.5 km N, 15 Aug. 1976 (USNM).

VALLADOLID; Zamora-Chinchipe 0433S/7908 (USBGN)
ca. 1,500 m, in western Zamora-Chinchipe, 33 km ENE of Amaluza [0433S/7927 (USBGN)] and 34 km N of Zumba [0452S/7909 (USBGN)] (Mapa, 1957; Mapa, 1974); Clarke-Macintyre Coll., Apr. 1938 (FMNH).

VALLEVICIOSA, RÍO (Paynter & Traylor, 1977:129); see Vallevicioso, Río.

VALLEVICIOSO (Salvadori & Festa, 1899a:25); see Vallevicioso, Río.

VALLEVICIOSO, RÍO; Napo 0050S/7806 (USBGN)
A right bank tributary of Río Antisana [0059S/7801 (USBGN)] rising at SSE base of Cotopaxi [0040S/7826 (USBGN)] (MHA); Goodfellow and Hamilton, in cold valley bounded by Antisana [0030S/7808 (USBGN)], Cotopaxi, and Quilindaña [0047S/7819 (USBGN)], at 14,500 ft [4,400 m], Dec. 1898 (Goodfellow, 1901:305, 309, as "Valle de Viciosa"); Festa, at ranch at 3,800 m, 10-20 July 1897 (Salvadori & Festa, 1899a:25, as "Vallevicioso (Paramos del Cotopaxi)"; 1900:51, as "Vallevicioso, Sorgenti del Rio Napo"; Chapman, 1926a:731, as "Vallevicioso"); Paynter & Traylor, 1977:129, as "Valleviciosa, Río."

VAQUERÍA; Esmeraldas ca. 0113N/7907 (MHA)
Sea level, on coast near Colombian border on southern side of Boca de Santiago [0114N/7903 (USBGN)], NW of La Tola [0112N/7906

(USBGN)] (MHA; Atlas Geog.); Rosenberg Coll., date? (Hartert, 1902:600); Flemming, Feb. 1902, collector?, Mar. 1902 (FMNH).

VEGUINA Not located
Alt.?; collector?, date? (Cory, 1918, Field Mus. Nat. Hist. Publ., Zool. Ser., **13**, pt. 2, no. 1, p. 197); presence of *Hylocharis grayi* indicative of tropical northwestern Ecuador.

VELA CRUZ; Loja 0400S/7933 (USBGN)
ca. 2,300 m, central Loja, 40 km W of city of Loja [0400S/7913 (USBGN)] and 10 km NE of Catacocha [0404S/7938 (USBGN)] (Mapa, 1957); Gardner, 1/2 km S, 5 Mar. 1989 (WFVZ).

VENTANA (Hartert, 1902:603); see Ventanas.

VENTANAS; Esmeraldas 0059N/7840 (USBGN)
90 ft [27 m] (MCZ); extreme northeastern Esmeraldas, near Colombia, on the railroad and Río Cachabí [0103N/7850 (USBGN)] (Mapa, 1957); Rosenberg Coll., 20, 25 Apr. 1900 (Hartert, 1902:603ff, as "Ventana"); collector? [Rosenberg Coll.?], 14, 16 Apr. 1900 (Gyldenstolpe, 1930, Arkiv Zool., **21A**(26):15-16, as "Ventana"); collector? [Rosenberg Coll.?], 23, 26 Apr. 1900 (MCZ); Ross, et al., Aug. 1986 (Evans, 1988:23).

VERACRUZ; Pastaza ca. 0135S/7754 (Mapa, 1957)
900 m (van Oosten, in litt.); in eastern foothills, 9 km SE of Puyo [0128S/7759 (USBGN)] on road to Canelos [0135S/7745 (USBGN)] (Mapa, 1957; Mapa, 1974); van Oosten, Aug. 1965, Aug. 1967 (van Oosten, in litt.).

VERDE, ISLA; Guayas 0240S/7957 (USBGN)
Sea level, small island in the delta of the Río Guayas [0236S/7952 (USBGN)], off southwestern end of Isla Mandragón [0235S/7950 (USBGN)] and N of Isla Puna [0250S/8008 (USBGN)] (Mapa, 1957); Lévêque, sometime between Jan. 1960-Apr. 1962 (Lévêque, 1964:56).

VERDE, RÍO; Esmeraldas 0104N/7925 (USBGN)
Small river flowing from hills (not exceeding 300 m) of interior central Emeraldas NW to town of Rioverde [0104N/7925 (USBGN)] on coast, 30 km NE of city of Esmeraldas [0059N/7942 (USBGN)] (Mapa, 1950); there has been much confusion with Río Verde [not located], Pichincha (which see), but definite records from this river,

possibly from town of Rioverde, seem to be: Olallas, 4, 30 June 1930 (FMNH), Spillmann Coll., 4 June 1930 (Stresemann, 1937b:14), and Olalla, 16 July 1951 (Norton, et al., 1972:892).

VERDE, RÍO; Pichincha Not located
River merging with Río Guaillabamba [0028N/7925 (USBGN)] at western base of Catacache Hills [not located] (C. Olalla, in litt. to Conover, FMNH); that this is not the Río Verde [0104N/7925 (USBGN)] in Esmeraldas (which see), with which it has frequently been confused, is evident by the altitudinal records, which indicate an elevation higher than that reached by the former river; definite records seem to be: Flemming, Dec. 1899 (FMNH), and Rosenberg Coll., at 3,200 ft [1,000 m], date? (Hartert, 1902:600), and Aug. 1913 (FMNH); Stresemann (1937b:15) places Pacto [? 0012N/7852 (FMNH)] on Río Verde, "Esmeraldas" but the altitudinal records indicate he must have confused the two Río Verdes and meant the one in Pichincha; if Pacto is indeed on the Río Verde, Pichincha, the following Spillmann Coll. records are pertinent: 3 June 1930 (Stresemann, 1937b:15), 20 May 1929, 20 Mar. 1930, 6, 10 Sept. 1931 (Stresemann, 1938:117), and also Olallas, June 1930 and Gómez, Feb. 1940 (FMNH).

VERDECOCHA; Pichincha 0006S/7836 (USBGN)
9,400 ft [2,850 m], at northwestern base of Pichincha [0010S/7833 (USBGN)], humid temperate "with a tinge of" subtropical, mountainside forested but flat areas clear or in second growth, Chapman, et al., 5-7 Sept. 1922 (Chapman, 1926a:21, 721); Söderström Coll., date? (Lönnberg & Rendahl, 1922:71); collector?, Oct. 1923 (USNM); Olallas, 2 Mar. 1932 (CM); Loch, ca. 1935-1937, Gómez, July 1939 (FMNH); Gómez, June 1936 (USNM); Mena, 12 June 1939 (WFVZ) and July 1950 (ANSP); Olalla, 27-29 Mar. 1963, 20 June 1964 (MCZ).

VERDE YACO Not located
Alt.?; "Oriente," Olallas, Jan. 1930 (FMNH); presence of *Nothocrax urumutum* is indicative of the tropical zone.

VICIOSA, VALLE DE (Goodfellow, 1901:305); see Vallevicioso, Río.

VIEJA CORDILLERA DE CUTUCÚ (Mapa, 1974); see Cutucú Occidental, Cordillera and Cutucú Oriental, Cordillera.

VILLANO; Pastaza 0130S/7729 (USBGN)
ca. 300 m, in eastern lowlands, 58 km E of Puyo [0128S/7759 (USBGN)] (Mapa, 1950; Mapa, 1957); Mena, 5 Apr. 1962 (LACMNH).

VILLANO, RÍO; Pastaza 0128S/7657 (USBGN)
A tributary of Río Curaray [0222S/7405 (USBGN)] which rises on the low slopes E of Puyo [0128S/7759 (USBGN)] and joins the Curaray deep in the lowlands at the town of Curaray [ca. 0222S/7405 (Mapa, 1974)] (Mapa, 1974); Gómez, Aug. 1940 (FMNH).

VINCES; Los Ríos 0132S/7945 (USBGN)
ca. 15 m, in low coastal forest with occasional savannahs (Brown, 1941, Ann. Entom. Soc. Amer., 34:851); on Río Vinces [0139S/7947 (USBGN)], 35 km NW of Babahoyo [0149S/7931 (USBGN)] (MHA); Festa, near Vinces at Hacienda Vitalia [Vitalia, 0141S/7946 (USBGN) ?], 2-30 Sept. 1897 (Chapman, 1926a:732); Rivet, presumably at town but possibly elsewhere on river, ca. 1898-1899 (Simon, 1907:19); Lévêque, 18 Mar. 1962 (Lévêque, 1964:61); McLean, 20 Nov. 1974, ca. 12 km N [sometimes as NE] at Hacienda Santa Teresita [not located], 20-22 Nov. 1974, ca. 12 km NE at Abras de Mantequilla [not located], 20-22 Nov. 1974, 27-28 Feb., 1 Mar., 15-16, 20-22 May, 11, 19 Nov. 1975, 3-6 May, 19 Aug., 22-24 Sept. 1976, 27 Jan. 1977, 12 km E, 5 May 1976 (USNM, sometimes with "Puerto Nuevo"[not located], "Casa" or "La Casa" [presumably the residence], Platanal [not located], Río Nuevo [not located], Hacienda Puerto Nuevo [not located], and Isla de la Garza [not located] appended to Abras de Mantequilla records; compass directions and distances from Vinces very inconsistent).

VINCES, RÍO; Los Ríos 0139S/7847 (USBGN)
Major river of western Los Ríos, rising in northern part of province, and merging with Río de la Bocana [Río Bocana, 0156S/7944 (USBGN)] a short distance below town of Vinces [0132S/7945 (USBGN)] (MHA); Hammond, at 100 ft [30 m], near mouth, Aug. 1914 (FMNH).

VITALIA; Los Ríos 0141S/7946 (USBGN)
Alt.?; in southwestern Los Ríos, SW of Vinces [0132S/7945 (USBGN)]; not found on available maps; Festa, 2-30 Sept. 1897 (Chapman, 1926a:732, as "Hacienda Vitalia, near Vinces"); the hacienda does not appear in USBGN and it is assumed that it has been replaced by the town of Vitalia.

VOCA (Carriker, 1930:368); see Curaray, Río.

VOCA COTAPINO (MCZ); see Cotapino, Río.

VOCO (Gilliard, 1941:459); See Curaray, Río.

WATSON, ISLA; Galápagos 0121S/9018 (USBGN)

WANMAN, ISLA; Galápagos 0123N/9149 (USBGN)
Also = Wolf Island.

WARIENTZA; Morona-Santiago ca. 0312S/7817 (Marin, in litt.)
950 m, 60 mi [100 km] S of Macas [0219S/7807 (USBGN)], on middle Río Coangos [Río Coango, 0303S/7812 (USBGN)], Sornoza and Marin, 28-31 July, 1-10 Aug. 1988 (WFVZ; LACMNH; Marin, in litt., sometimes spelled "Warintsa").

WARINTSA (Marin, in litt.); see Warientza.

WOLF ISLAND; Galápagos 0123N/9149 (USBGN)

YAGUACHI; Guayas 0207S/7941 (USBGN)
5 m (Menegaux, 1908:98); ca. 100 m, on railroad, 27 km NE of Guayaquil [0210S/7950 (USBGN)], on Río Yaguachi [0201S/7844 (USBGN)] (MHA); hot, vegetation intermediate between humid forests of Andes and depauperate vegetation of Guayaquil (Taczanowski & Berlepsch, 1885:69-70); Siemiradski, Dec. 1882, Stolzmann and Siemiradski, May 1881, Aug.-Sept. 1883, June 1884 (Berlepsch & Taczanowski, 1883:539; Taczanowski & Berlepsch, 1885:71ff); Lévêque, 21 Aug., 2 Nov. 1960, 22 Jan. 1961 (Lévêque, 1964:61).

YAGUARCOCHA; Imbabura 0022N/7806 (USBGN)
8,000 ft [2,450 m] (Lönnberg & Rendahl, 1922:19); on outskirts of Ibarra [0021N/7807 (USBGN)], northern central Imbabura (Mapa, 1957); Söderström Coll., July year? (Lönnberg & Rendahl, 1922:19, 26, 71, as "Jaguaracocha," "Jaquarcocha," and "Jaguarcocha"); Festa, 29-31 Dec. 1896 (Salvadori & Festa, 1900:41; Chapman, 1926a:731); Cory & Hellmayr, 1927, Field Mus. Nat. Hist. Publ., Zool. Ser., **13**, pt. 5, p. 9, as "Taguarcocha."

YAGUARCOCHA, LAGO (Chapman, 1926a:711); see Yaguarcocha, Laguna de.

YAGUARCOCHA, LAGUNA DE; Imbabura 0022N/7807 (USBGN)
ca. 2,000 m, at town of Yaguarcocha [0022N/7896 (USBGN)] on the outskirts of Ibarra [0021N/7807 (USBGN)], northern central Imbabura (MHA; Mapa, 1957); Rosenberg Coll., date? (Hartert, 1898:495); Festa, 29-31 Dec. 1896 (Chapman, 1926a:731, as "Lago Yaguarcocha"); Ross, et al., Aug. 1986 (Evans, 1988:76).

YAMANA (MCZ); see Hacienda Yamana.

YAMBOYA; Pichincha 0026S/7846 (USBGN)
2,005 m, on southwestern side of Atacazo [0022S/7837 (USBGN)] at mouth of Río Yamboya [0025S/7846 (USBGN)] (Atlas Geog.); on [old] trail to Santo Domingo de los Colorados [0015S/7909 (USBGN)], Rivet, between ca. 1899-1906 (Menegaux, 1911:69); Olalla, Jan. 1925 (AMNH).

YAMISA, RÍO Not located
Alt.?; collector?, date? (Zimmer, 1943, Amer. Mus. Novit., no. 1225, p. 23); *Chlorochrysa calliparaea* from here is indicative of the eastern foothills.

YAPITYA; Morona-Santiago Not located
1,525 m, on trail from Logroño [ca. 0237S/7812 (Mapa, 1974)] to Yaupi [ca. 0250S/7755 (Mapa, 1974)] on western slope of Cordillera de Cutucú [Cordillera Cutucú Oriental, 0240S/7751 (USBGN)], Robbins, 26 June 1984 (Robbins & Ridgely, 1986:102); a coined name; Mapa, 1950 shows Yaupi at mouth of Río Yaupi [0300S/7750 (USBGN)], which on Mapa 1974 is Soldado Monge, and a Mision Selesiana de Yaupi at ca. 0250S/7753, which must be the present-day Yaupi.

YANACOCHA; Pichincha Not located
3,500-4,000 m (Otiz-Crespo & Carrión, 1991:30); 3,250 m, hacienda on northwestern slope of Pichincha [0010S/7833 (USBGN)], humid temperate zone, patchy dense low forest [in 1922], grassy slopes, Chapman, et al., 2-3 Sept. 1922 (Chapman, 1926a:21, 721); *Polylepis* forest, area now much altered (Ortiz-Crespo & Carrión, 1991:30); Loch, ca. 1935-1937 (FMNH); Olalla, 4 Nov. 1962 (Orces, 1974:9); Olalla, 10 Dec. 1963, 18, 20 Jan. 1964, 29 June, 16, 18 July, 14 Aug. 1967 (MCZ); Glenn, 26 July, Schulenberg, 31 July, 1-3 Aug. 1984 (USNM); Carrión, 10 Oct. 1989 (WFVZ).

YANASACHA; Azuay Not located
ca. 3,000 m, near Cuenca [0253S/7859 (USBGN)], Boeke and Ortiz-Crespo, date? (Boeke & Ortiz-Crespo, 1978:167); this may be Yanashpa [0300S/7910 (USBGN)] or Hacienda Yanashashe [0302S/7910 (USBGH)].

YANA URCO (FMNH); see Yanaurco, Cerro.

YANAURCO, CERRO; Azuay 0332S/7904 (USBGN)
3,200 m (MCZ); on Azuay/Zamora-Chinchipe border, E of Oña [0332S/7910 (USBGN)] (Mapa, 1950); Gómez, 12 July 1939 (MCZ, as "Yana Urcu"); Gómez, at 9,000 ft [2,750 m], June-Aug. 1939 (FMNH, as "Yana Urco" and "Tana Urcu"); not to be confused with Yana-Urcu de Piñán [0029N/7820 (USBGN)] in the Mojanda [0008N/7817 (USBGN)] range, N of Quito [0013S/7830 (USBGN)], mentioned by Chapman (1926a:713, as "Yana-urcu") but apparently not visited by a collector.

YANA URCU (MCZ); see Yanaurco, Cerro.

YANAYACU Not located
Alt.?; Buckley, Dec. 1877 (Sclater & Salvin, 1878:439, as "Yauayaca" but certainly an error for Yanayacu, *fide* Chapman, 1926a:631; White, 1989:995); a common name for rivers, quebradas, and haciendas, but which one visited by Buckley is unknown; White (loc. cit.) suggests this might be Río Yanayacu [0104S/7834 (USBGN)], which enters the Río Cutuchi [0110S/7834 (USBGN)] near San Miguel de Salcedo [0102S/7834 (USBGN)], southeastern Cotopaxi.

YANAYACU, LOMA; Pichincha Not located
Alt.?; on northern slope of Pichincha [0010S/7833 (USBGN)], Krabbe, on western slope of hill at 3,600-3,700 m, 17, 19 Dec. 1990, 10 Jan. 17 Mar. 1991 (Krabbe, 1992b:169-170); possibly in vicinity of Hacienda Yanayacu [0000/7832 (USBGN)].

YANAYAM Not located
Alt.?; collector?, date? (Hellmayr & Conover, 1949, Field Mus. Nat. Hist. Publ., Zool. Ser., **13**, pt. 1, no. 4, p. 55); presence of *Accipiter bicolor* indicative of tropical zone.

YAPITYA; Morona-Santiago Not located
1,700 m, coined name for campsite, also called Camp 2, on trail from Logroño [ca. 0237S/7812 (Mapa, 1974)] to Yaupi [ca. 0250S/7755 (Mapa, 1974)] in Cordillera de Cutucú [Cordillera Cutucú Occidental, 0245S/7805 (USBGN)], Robbins, et al., in vicinity from 1,500-2,100 m, 22 June-3 July 1984 (Robbins, 1987:244).

YARAQUI (Chapman, 1926a:721); see Yaruquí.

YARUQUÍ; Pichincha 0009S/7819 (USBGN)
2,585 m (Simon, 1907:17); in Central Valley 22 km NE of Quito [0013S/7830 (USBGN)] (MHA); Rivet, ca. 1898-1899 (Simon, 1907:17); Chapman, 1926a:721, as "Yaraqui."

YASUNÍ, RÍO; Napo 0056S/7523 (USBGN)
A major right-bank tributary of upper Río Napo [0320S/7240 (USBGN)] in central eastern Napo, with its mouth at the international border (Mapa, 1950); Ridgely, on lower part of river, 18 Sept. 1976 (Ridgely, 1980:244).

YAUAYACA (Sclater & Salvin, 1978:439); see Yanayacu.

YAUPÉ, CORDILLERA DE (MHA); see Cutucú Oriental, Cordillera.

YAUPI; Morona-Santiago ca. 0250S/7755 (Mapa, 1974)
ca. 600 m, in eastern foothills of central Morona-Santiago, between Cordillera Cutucú Occidental [0245S/7805 (USBGN)] and Cordillera Cutucú Oriental [0240S/7751 (USBGN)], apparently at head of Río Yaupi [0030S/7750 (USBGN)] (Mapa, 1974); Mapa, 1950 shows Yaupi at mouth of Río Yaupi, which on Mapa 1974 is Soldado Monge, and a Mision Selesiana de Yaupi at ca. 0250S/7753, which must be the present-day Yaupi; observers?, at caves, 26-31 July 1976 (Snow, 1979:460); Gill, et al., on and in vicinity of road from Logroño [ca. 0237S/7812 (Mapa, 1974)] to Yaupi, 14, 17-19, 26 June, 6-8, 10-14, 17 July 1984 (USNM); also see Cutucú Occidental, Cordillera.

YAVARI, RÍO (Cory & Hellmayr, 1924, Field Mus. Nat. Hist. Publ., Zool. Ser., **13**, pt. 3, p.16, as "Río Javarri"); in Peru; erroneously attributed to Ecuador.

YERBABUENA; Azuay 0246S/7931 (USBGN)
2,778 m, on lower slopes of northwestern Azuay, close to Guayas border and 10 km SE of Naranjal [0242S/7937 (USBGN)] (MHA, as "Yerba Buena"; Mapa, 1957, as "Hierbabuena"); Festa, Oct. 1896 (Salvadori & Festa, 1900:17, as "Tambo de Yerba Buena"; Chapman, 1926a:731).

YOCON; Chimborazo ? Not located
8,600 ft [2,600 m], Stolzmann, 17 May 1883? (Berlepsch & Taczanowski, 1884:295); probably in vicinity of Ceche [ca. 0211S/7851 (Chapman, 1926a:map), where Stolzmann and Siemiradski were from Apr.-July 1883 (Berlepsch & Taczanowski, 1884:283ff).

YOYACSI (Berlepsch & Taczanowski, 1884:313); see Yoyaxi.

YOYAXI; Chimborazo ? Not located
9,000 ft [2,750 m], large marsh within forest, cold, Stolzmann, June 1883? (Berlepsch & Taczanowski, 1884:283, p. 313, as "Yoyacsi"); Chapman (1926a:721-722) places in Chimborazo on road from Alausí [0212S/7850 (USBGN)] to Cuenca [0253S/7859 (USBGN)], but his evidence is unknown; Menegaux (1911:115), citing Berlepsch & Taczanowski (1894:313), associates "Yoyacsi" with Maraviña [Mariviña, 0309S/7859 (USBGN)], Azuay, which is S of Cuenca, but

this is apparently an error because the citation makes no mention of Mariviña; possibly equivalent to Hoyaucshi [not located], which see, both of which seem to be near the Chimborazo/Cañar boundary.

YUNGILLA (Brown, 1941:851); see Yunguilla; Tungurahua.

YUNGUILLA; Pichincha ? 0009N/7840 (USBGN)
Alt.?; Rivet, between ca. 1899-1906 (Menegaux, 1911:100, as "Jungilla, Nanegal"); presumably this is Yunguilla because it is near Nanegal [0007N/7846 (USBGN)], but possibly it is Hacienda Yunguilla [0002N/7833 (USBGN)], somewhat farther away.

YUNGUILLA; Tungurahua 0123S/7818 (USBGN)
ca. 1,600 m, on northern bank of upper Río Pastaza [0455S/7624 (USBGN)] at mouth of Río Blanco [0123S/7818 (USBGN)], semi-arid, subtropical by town, slopes of hills more heavily vegetated (Brown, 1941, Ann. Entom. Soc. Amer., 34:851, as "Yungilla"); not shown on our maps; above Mera [0128S/7808 (USBGN)] and below Baños [0124S/7825 (USBGN)]; Olalla, July, Nov. 1930, May, Nov. 1931 (Berlioz, 1932a:236; wrongly attributed to Valle de Yunguilla [0318S/7918 (USBGN)] by Paynter & Traylor, 1977:135); Clarke-Macintyre Coll., 4-6 Feb. 1938 (MCZ).

YUNGUILLA, VALLE DE; Azuay 0318S/7918 (USBGN)
Of the maps available to us, it is only shown on Atlas Geog., where it is ill-defined; on western slope where appears to be the lower part of the arid valley containing the Río Girón [0318S/7912 (USBGN)] (no *Río* Yunguilla is shown) which becomes the Río Rircay [0324S/7921 (USBGN)] and which is a tributary of the Río Jubones [0313S/7957 (USBGN)]; Abdón Calderón [0320S/7926 (USBGN)] and Santa Isabel [0321S/7919 (USBGN)], neither of which is shown in Atlas Geog., as well as Tomebamba [0322S/7923 (USBGN)], which does appear, all seem to lie within Valle de Yunguilla; Gómez, at 4,500 ft [1,400 m], July 1939, Loch, ca. 1935-1937 (FMNH); Colwell Coll., date? (de Schauensee, 1951:3); Olalla, 12 Apr. 1961, 31 Aug. 1965 (MCZ).

ZAMBEZA (MHA); see Zámbiza.

ZÁMBIZA; Pichincha 0009S/7826 (USBGN)
ca. 2,000-2,500 m, 10 km NE of Quito [0013S/7830 (USBGN)] (MHA, as "Zambeza"); arid temperate (Chapman, 1926a:722); Festa, Apr. 1897? (Salvadori & Festa, 1899a:33); Söderström Coll., at, near, and below Zámbiza, with known date of 20 Aug. 1910 (Lönnberg & Rendahl, 1922:27; CM); Holstein, 20 Aug. 1910 (USNM); Rosenberg Coll., Feb. 1923 (FMNH); Olallas, July 1931, Feb. 1934 (FMNH, as "Valle de Zambiza" and "Sambiza").

ZAMBIZA, VALLE DE (FMNH); see Zámbiza.

ZAMORA; Zamora-Chinchipe 0404S/7858 (USBGN)
3,250 ft [1,000 m] (Chapman, 1926a:722); on lower eastern slope, 30 km ESE of Loja [0400S/7913 (USBGN)], at junction of Río Bombuscara [0404S/7857 (USBGN)] (Chapman, 1926a:249, as "Río Bombiscara," p. 722, as "Río Bombascara") and Río Zamora [0259S/7813 (USBGN)], humid tropics with subtropical forest on nearby western slopes (Chapman, 1926a:722; pers. obser.; MHA); Frasier, Dec.-Feb. 1857-1858 (Sclater, 1859b:450); Baron, at and nearby, May-Sept. 1893 (Hartert & Hartert, 1894:43-64); Festa, in valley of Río Zamora, Jan. 1897? (Salvadori & Festa, 1900:39); Richardson, 17 Oct.-6 Nov. 1913, Anthony and Cherrie, 4 Dec. 1920 (Chapman, 1926a:19-20, 722; USNM); Olallas, June 1935 (FMNH); Norton, 15 km NW at 1,600 m, 10 Aug. 1965 (MCZ); Norton, via local collectors, "Zamora, 2,100 m [sic]," 5, 13 Aug., 18, 27 Sept. 1965 (MCZ); Baron, between Loja and Zamora, at 10,000 ft [3,050 m], May 1893 (Hartert & Hartert, 1894:43-64); Norton, at Km 45 on Loja/Zamora road, 1,600 m, 14, 23-26 Aug. 1965 (MCZ); Norton, via local collectors, at Km 25 on Loja/Zamora road, 2,100 m, 18, 20-28 Sept., and at Km 40 on same road, 1,600 m, 21, 27-28, 31 Aug., 1-17, 24, 27 Sept. 1965 (MCZ); Ridgely and Wilcove, on road short distance E of pass at 2,600, 22 July and on road ca. 15 km above Zamora at 1,400 m, 25 July 1978, and Ridgely, et al., ca. 10 km S in lower Jamboë River [Río Jumboé, 0404S/7856 (USBGN)] valley, 1 Mar. 1980 (Ridgely, 1980:244, 246, 248).

ZAMORA-CHINCHIPE, PROVINCIA DE 0415S/7850 (USBGN)
Southeastern Ecuador; bounded on S, SW, and SE by Peru, by Loja and Azuay on W, and on N by Morona-Santiago; former Provincia de Santiago-Zamora is now divided into Zamora-Chinchipe and Morona-Santiago.

ZANCUDO; Napo ca. 0035S/7530 (Mapa, 1974)
ca. 150 m, on right side of lower-middle Río Aguarico [0059S/7511 (USBGN)] (Mapa, 1974); Ridgely, 23-24 Sept., and Ridgely and de Vries, 25 Sept. 1976 (Ridgely, 1980:245, 246 as "Zancudococha"); USBGN gives a Laguna Sancudo Cocha [0035S/7830 (USBGN)] at this location, although it is not shown on our maps; the town and lake must be adjacent; spelling uncertain.

ZANCUDOCOCHA (Ridgely, 1980:245); see Zancudo.

ZAPALLO GRANDE; Esmeraldas 0047N/7859 (USBGN)
ca. 100 m, town in northern Esmeraldas, in middle of Pacific coastal plain, at mouth of Río Grande [0047N/7856 (USBGN)], and near junction of Río Zapallo Grande [0044N/7856 (USBGN)], tributaries of Río Cayapas [0113N/7903 (USBGN)] (MHA, as "Sapayo Grande"); Hammond?, Dec. 1901 (FMNH).

ZAPALLO GRANDE, RÍO; Esmeraldas 0044N/7856 (USBGN)
Northern Esmeraldas on Pacific coastal plain, joining with Río Grande [0047N/7856 (USBGN)] to form Río Cayapas [0113N/79043 (USBGN)] (MHA, as "Río Sapayo Grande"); Rosenberg Coll., 450 ft [175 m], 11 Dec. 1901, 23 Jan. 1902 (Hartert, 1902:600, 602, as "Río Japayo," p. 616 as "Río Sapayo"); Hammond?, Nov. 1901, Spillmann, Dec. 1925 (FMNH); Chapman, 1926a:718, as "Río Sapayo"; see, also, Tapayo, Río; Tapero, Río; and Tepayo, Río.

ZAPOTAL; Guayas 0220S/8033 (USBGN)
ca. 100 m, on railroad 15 km inland from Golfo de Guayaquil [0300S/8030 (USBGN)] and 35 km SE of Santa Elena [0214S/8051 (USBGN)] (MHA); Marchant, Oct. 1954-Aug. 1957 (Marchant, 1958:349).

ZARAGURO (MHA); see Saraguro.

ZARUMA; El Oro 0341S/7937 (USBGN)
1,202 m, near head of broad valley penetrating western cordillera, on Río Amarillo [0345S/7940 (USBGN)], a tributary of Río Puyango [0207S/7948 (USBGN)] (MHA; Mapa, 1957); arid tropics, Richardson, above town in subtropics to at least 6,000 ft [1,825 m], 15 Sept.-5 Oct. 1913 (Chapman, 1914:317; 1926a:19, 722); Gómez, July 1939 (FMNH).

ZATZAYACU; Pastaza 0111S/7752 (USBGN)
550-950 m (Willis, 1969, Wilson Bull., **81**:366); on Río Anzu [Río Ansupí, 0104S/7748 (USBGN)], a headwater of Rió Napo [0320S/7240 (USBGN)], 15 km SW of Puerto Napo [0103S/7747 (USBGN)] (Mapa, 1950; Mapa, 1957, as "Satza Yacu"); Willis, 20-23 Oct. 1965 (Willis, 1969, Wilson Bull., **81**:366).

ZENDA; Guayas Not located
Alt.?; Simons, 4-11 Nov. 1898 (Chubb, 1919:2).

ZOZORANGA; Loja 0423S/7949 (USBGN)
ca. 1,000 m, extreme southern Loja, on western slope, 16 km ENE of Macará [0423S/7957 (USBGN)] (MHA); tropical forest changing to premontane and humid montane vegetation, Univ. East Anglia expedition, 1989 (Clarke, 1990:6, as "Sozoranga"; Ortiz-Crespo & Carrión, 1991:29, as "Sozoranga"); Krabbe, above town at 1,750 m, 6 Feb. 1991 (Krabbe, 1992b:171, as "Sozoranga").

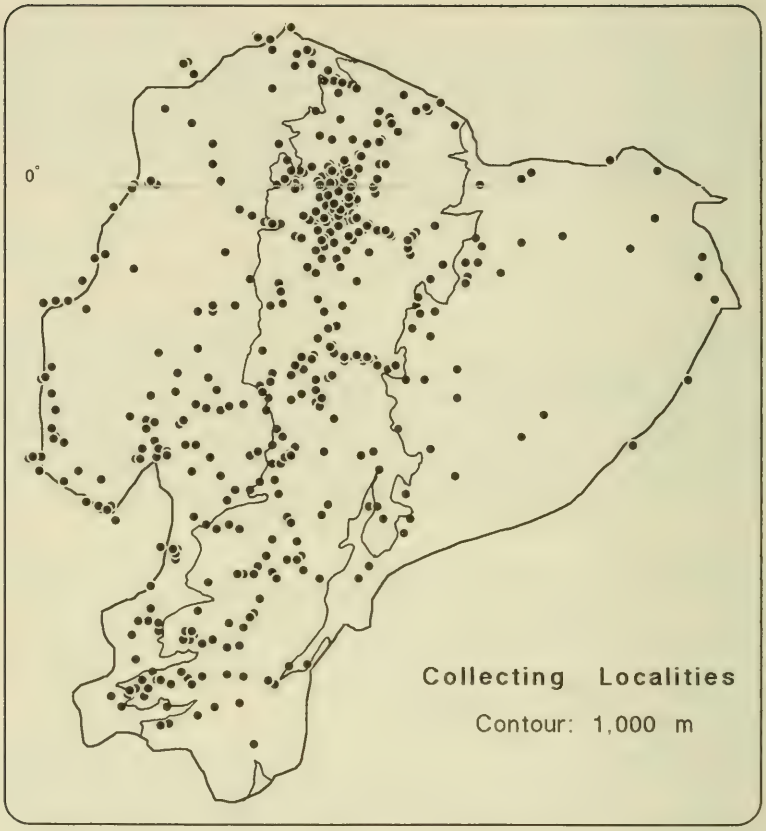
ZUMBAGUA (MHA); see Hacienda Zumbagua.

ZUMBAHUA (Krabbe, 1992a:168); see Hacienda Zumbagua.

ZUNA (Chapman, 1926a:594); see Zuña.

ZUÑA; Morona-Santiago 0212S/7816 (USBGN)
ca. 3,500 m, on Río Upano [0245S/7812 (USBGN)], 31 km WNW of Macas [0219S/7807 (USBGN)] (Mapa, 1950; Mapa, 1957, as "Zúñac"); collector?, date? (Chapman, 1926a:594, as "Zuna").

ZÚÑAC (Mapa, 1957); see Zuña.


0°
Collecting Localities
Contour: 1,000 m

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